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## Title word cross-reference

- 1 [AAN11, Käm13]. 2  
[CK16, DH15a, HMP11, Liu11, Loi13, NS10].  
2k [CZZ15]. 3  
[DH15a, GKR13, LOR11, RBGV13]. *A*  
[CC14]. *B* [LL15, LO13b]. *BDM*<sub>1</sub> [BFK16].  
*C*\* [XWG10]. *C*<sup>0</sup>  
[BSZZ13, DLT13, KS14, BGGS12, BN11].  
*C*<sup>1</sup> [ABSV16, Moo16, Wal14a, MM10]. *dG*  
[SZ15].  $\ell_1$  [Woj12].  $\ell_q$  [LXY13].  $f \in L^2$   
[CK10]. *G* [BHHN14]. *H*  
[CK11, DW12, Sau10, YG15].  $H_{\text{div}}$  [DHH13].  
*hp* [HLM13, SSW13a, SSW13b, ZW13,  
ASV15, SZ15, BHH10, BTG12, LM11b,  
MBMS11, Sau10]. *L* [CCCS16, Ste13].  $L^1$   
[WSD15, HN11].  $L^2$  [DEM15, DLT13, HS13,  
LYZ15, TV16, WL16, ZLY16].  $L^p$  [LM14a].  
 $L_2$  [Ku11b].  $\lambda$  [Sau10]. *m* [Mor16, Sch16]. **R**  
[PWZ13].  $\mathbf{P}_q$  [JMN14].  $\mathcal{O}(1/k)$  [HYZ16].  
 $\mathcal{O}(N)$  [CCCS16].  $N \geq 2$  [ASW10].  $O(1/n)$   
[HY12]. *p* [BBDR12, BCD<sup>+</sup>11, GB10,  
HMP11, Sau10, YG15]. *p(·)* [BDS15]. *p(x)*  
[DLM13]. *P*<sub>1</sub> [WZ12]. *P*<sub>1</sub> [AC12, KWC10].  
 $R^N$  [ASW10]. *R*<sup>s</sup> [Dic11].  $W^{1,\infty}$  [ALS13].
- [SZ15]. **-Based** [DHH13]. **-BEM**  
[BHH10, LM11b]. **-Conforming** [WZ12].  
**-Conjecture** [CZZ15]. **-Convergence**  
[LL15]. **-D** [CK16]. **-DG-FEM**  
[SSW13b, SSW13a]. **-Dim** [Liu11].  
**-Discontinuous** [ASV15]. **-Finite** [Sau10].  
**-graded** [Mor16]. **-Lagrange** [Loi13].  
**-Laplacian** [DLM13, BDS15]. **-Method**  
[Ste13]. **-Module** [XWG10].

- Nonconforming** [BTG12, AC12, KWC10].
- Norm** [Ku11b]. -**Potts** [WSD15].
- Projection** [TV16]. -**Series** [LO13b].
- Stability** [DEM15]. -**Stable** [CC14, CCCS16]. -**Stokes** [BBDR12].
- symplectic** [BHHN14]. -**Version** [BCD<sup>+</sup>11, GB10, HMP11, MBMS11].
  
- Absolutely** [FW14]. **Absorbing** [BRD15].
- Abstract** [FPvdZ16, HS14]. **Acceleration** [TK15, WN11]. **Accepting** [GWW12].
- Accuracy** [AVZ15, AP16c, ABBM11, BCE14, BRO10, BH12, Kol14, LL11, Liu13b, MJRK11, ZH15].
- Accuracy-Conserving** [MJRK11].
- Accurate** [BCZ14, BCJT16, CGSW13, CD14, FMT12, GRT14, KM12b]. **Acoustic** [BLRX15, BS11, CW13]. **Acting** [GY16].
- Action** [FS11]. **Adaptation** [KH14].
- Adapting** [PBL15]. **Adaptive** [AABR13, BD16a, BMS10, BM11, BET11, BN10, BDN13, BD16b, BOS10, CG12a, CR12, CGS13b, CP15, CS11, CX10, DHSW13, Dem10, DO12, DTZ13, Era13, EP16, FKMP13, FFP14, GL10, HKS11, HHX11, KRR15, OP12, PWZ13, SMSF15, WBL<sup>+</sup>15, ZWGB15]. **Adaptivity** [FPvdZ16, PVWW13]. **Additional** [DH15a].
- Additive** [Jen11, KLS10, Kwo11, LC15, SG15]. **ADI** [DKS11, ZLL<sup>+</sup>14]. **Adini** [HS13]. **Adjoint** [CBHW13, GU10a, GU10b, HS15, IPP13, SNSM13]. **Adjusting** [ZF16]. **Advection** [CQR13a, CBHW13, DEV13, HH14, HL10, LH12, PV16, PW14, DDE15, WW10b, WSZ15, Wel11, Zha13a, ZTRK15, ZW11].
- Advection-Diffusion** [DEV13, WW10b].
- Advection-Diffusion-Reaction** [DDE15, Wel11]. **Advection-Dispersion** [ZW11]. **Advection-Dominated** [CQR13a, HL10, LH12]. **Affine** [DKG<sup>+</sup>14, DKGS16, HVC15]. **Age** [MKW14]. **Age-Structured** [MKW14].
- Aggregation** [JV15]. **ALE** [BKN13, Liu13b]. **Algebra** [BDSV10].
- Algebraic** [BJK16a, BS14, BCKZ13, DGK13, LB13, LB16, LM11a, TYK11, TYK14]. **Algorithm** [AKK<sup>+</sup>11, BMK10, BLRX15, BCG<sup>+</sup>10, BCHB10, BR15b, CET<sup>+</sup>16, DW12, DW13, DTZ13, Fou11, GWW12, HYZ16, HH14, JMN14, JML13, Kuz13, LTX13, LK16, Mac15, Oh13, PWZ13, SY12, TL15, Yin09, ZHS16]. **Algorithms** [ABGJ13, ASV15, AKT14, BG14a, CKW13, GRT14, Wan15, Zha13a]. **All-At-Once** [Kal16, TZ13a]. **Allen** [BMO11, DY16].
- Almost** [GKR13, KP12, Mao15]. **along** [Käm13]. **Alternating** [HY13, HY12, JJLW16, RU13, YH16, nZzSZ12].
- Alternative** [DW13]. **AMLI** [HVX13].
- AMLI-Cycle** [HVX13]. **Ampère** [FO11, FO13]. **Analysis** [ALS13, AP16a, AU14, ANS15, AKP14, ABBM11, ABPV12, AGK<sup>+</sup>11, BBHJ15, BJK16a, BMO11, BLWW13, BBK15, Bec11, BKT13, BCPS12, BNS13, BLM10, BSS10, BCHB10, BB12, BB13, BO11, BPS12, BPS11, BPP15, BSO12, BCM10, Bré13, BBE11, BRK14, BFK16, BK10, BTG12, BTDG13, BM16, BES12, CHWG15, CHP10, CKP11, CST13, CR15, CET<sup>+</sup>16, CH13, CZ13, CY10, DF12, DG11, DDD<sup>+</sup>14, DFW15, DD12, DS10, DE11, DKS11, DW15, EO14a, EO14b, ELN13, FPvdZ16, FW12a, FLX16, GH15, GMM12, Gau15, GL15, GGNV10, GMP15, GKR13, GG13, Gra15, GK10, GS11, HT16, HKS11, Han13, HH13, HS14, HR13, HMP11, HS16, HH10b, HVX13, JLQX14, JML13, Jin11, JLPZ14, JN11, JN15, KCDQ15, KWB15, KP10, KV10, KL15, KPR13, KST15, KWC10, KM12c].
- Analysis** [LTT13, LSW10, LG11, LOR11, LR13, LH12, LY11, LC15, LS15, LM10, LCY13, LWW<sup>+</sup>15, LK16, MMR13, MS11, MNP12, MT13, Moo16, Mor16, NS10, OR14, PF13, QTX15, QD11, RL13, RGMP16, Ren16, SV10, SW12, SLY16, SSS11, SU12,

SV15, SL15, TZ13a, TT15, Tha13, TD13, TK15, Tow15, VL11, WSS14, Wel11, WW10c, XQ10, YS13, ZS10a, ZG12, ZLB16, ZHS16, ZD10, ZZLB13, ZW13, MMT16].

**Analysis-Based** [Tow15].

**Analysis-Suitable** [Mor16]. **Analytic** [AKT14, GK13, Spa14, ZF16, ZWX13].

**Analytical** [BG14b, LR15, LR16].

**Analytically** [KW16]. **Anderson** [TK15, WN11]. **Angle** [Ran13]. **Angular** [KW14a]. **Anisotropic** [CHP10, EWK13, HKL16, Kop15, Mir14, Mir16]. **ANOVA** [BG14a]. **ANOVA-Type** [BG14a]. **Anti** [HM14]. **Any** [LYZ15]. **Application** [CK10, CDM13, CST13, CET<sup>+</sup>16, Col10, LMM<sup>+</sup>13, NZ12, NV14, SWWW12, DDD<sup>+</sup>14].

**Applications** [Bac13, BR15b, Cim12, D'A12, DKS16, GB10, Ku11a, LA11b, RGMP16, SV14, TD14, TZ13b, mXqW10, ZD12]. **Applied** [Bec11, DP12, Mas13]. **Applying** [ACCE10].

**Approach** [AAEM15, AZC14, BES12, CEH15, CC14, FJK13, GS14, HNSV13, HZZ11, HO14, LCYC15, NOS16, PM14, SG15].

**Approaches** [GH12]. **Approximate** [ADGP14, ADGP16, DHP13, GRT14, GWW12]. **Approximated** [BH12, Lee13].

**Approximating** [Ye13]. **Approximation** [AVZ14, AR10b, BCGS10, BC12a, BMO11, BMR12, Bar13, BBDR12, BMS14a, BK12, BSO12, BG14b, BCL13, BMV12, BDS15, BOS10, CS13, CMS16, CGS13b, CCM10, CLJ<sup>+</sup>16, CDS10, D'A12, DS11, DKS13, EO14a, Erv13, FHW12, FW12a, FF14, GG13, GRZ15, GG10b, GK10, GP16b, HLZ15, HKL16, Ing11, KCDQ15, KW16, KLW16, KLS10, KLM11, KLM14, LM13a, LMV13, LMO12, LV16b, LX14a, LM11a, LMR10, MZ13, MW12, NKK13, OS16, PST15, PWZ13, PBL15, Röß10, SK13, Sel10, SY12, SS13b, SS14, SDG16, Ste13, WW11b, WW10c, Xia16, YDG10, ZB15].

**Approximations** [AP16c, AR10a, AABR13, ACSW12, ACSW14, BPS12, BJ13, CGH<sup>+</sup>10, CELR11, DKS16, Dör12, DY16, FH10, FSX13, GU10a, GU10b, Git13, GG10a, GWW14, GY16, GMR15, HR13, Jen11, KWB15, KM12c, LL11, LS14, LYMM10, LY13, MNP12, Mur14, NV14, PLR11, SW10, TD13, VL11, WZ12, WYZ14, YZ11, Zhe14, dFGAN10].

**Arbitrarily** [FMT12]. **Arbitrary** [AP16c, AR10a, BLM11, CS12b, IPP13, LO13a, PBL15, Sch16]. **Arbitrary-Order** [BLM11]. **Area** [BGN16]. **Arguments** [Mas15b]. **Arising** [AP16b, AT16, BBHJ15, BDdSM13].

**Arnold** [GMM12]. **Arnoldi** [BSS10].

**Aspect** [ABW15]. **Aspects** [Ebn14].

**Associated** [MV14]. **Assumed** [BMcS10].

**Assumption** [Fis15]. **Assumptions** [DH15a]. **Asymptotic** [ASW10, BCCHV14, CZAL10, CZAL13, CG12a, DP13, GK10, JLQX14, KFJ16, LLS16, LM10, LCY13, NR12, Sin14, TYK11, TYK14, Tow15].

**Asymptotic-Preserving** [LLS16].

**Asymptotically** [DY16, FR16, TD14].

**Atomistic** [OBLS14, OZ13].

**Atomistic-to-Continuum** [OBLS14].

**Atomistic/Continuum** [OZ13]. **Attractor** [BCGS10]. **Augmentation** [CCWX11].

**Augmented** [BO11, CGOT16]. **Auto** [ZLB16]. **Auto-Convolution** [ZLB16].

**Average** [Ran13]. **Averages** [Wan14].

**Averaging** [MST10]. **Avoiding** [JN15].

**Axisymmetric** [Erv13, LL11].

**Back** [TT10]. **Backscatter** [Han11].

**Backward** [AC10, Akr15, DF12, Gao14, PKK<sup>+</sup>15, Pot16, ZZJ10]. **Balance** [Gos14, SNSM13, SSS11]. **Balanced** [BdL10, BCL13, LS13b, SGMS13].

**Balancing** [DD12, Lee15]. **Ball** [LX14a].

**Banach** [Jin15, MRL14]. **Bandlimited** [Che11b]. **Barrier** [AHS14a]. **Barycentric** [GK13, KB12]. **Based** [AX13, AAN11, AKT14, BG10a, BG11, BCKZ13, BIT13,

- CZ10b, CM14, CH13, DHH13, DO12, ELS15, EV10, ELN13, GWW12, HLY13, HNSV13, JL10, Kal16, KPK11, LM14b, LQB14, MW12, MT11, Reu13, RW13, Sel10, SW10, Tow15, VL11, WCK15, YB11, ZCY12, BC12a, CEH15, OBLS14]. **Bases** [FHN<sup>+</sup>13, MM10]. **Basis** [CQR13b, HSW13, Mir14, RGV13]. **Bayesian** [CDS10]. **BDDC** [BCLP10, GKR13]. **Beam** [QTX15, Zhe14]. **Beavers** [CGH<sup>+</sup>10, SZ13]. **Bed** [Tak13]. **Behavior** [BR15a, BCCHV14, FJK13, HN11, MZ14, YB13]. **Bellman** [HFL12, JS13, SS14, WR11]. **below** [KV10]. **Beltrami** [WCH10]. **BEM** [BHH10, CGS13c, LM11b, RW13]. **BEM-Based** [RW13]. **Bending** [Bar13, BCLP10, HHX11]. **Best** [AZC14, LV16b]. **Best-State** [AZC14]. **Between** [CELR11, HDVV10, GHM10]. **Bézier** [JKK<sup>+</sup>13]. **BGK** [RSY12]. **Bi** [SL15]. **Bi-quadratic** [SL15]. **Biased** [Ket11]. **Biharmonic** [BG11, HS13, JWX14, Zul15]. **Biot** [Nor16]. **Biquadratic** [LL13]. **Bivariate** [SVD14]. **Black** [LX14b]. **Blended** [AW10a, VL11]. **Block** [PL10, RP13, RL15]. **Block-Centered** [RP13, RL15]. **Blow** [KM12c, YB13]. **Blow-Up** [YB13, KM12c]. **Body** [BCM10, GHM10]. **Boltzmann** [RSY12]. **Boosting** [Mac15]. **Bose** [HMP14]. **Both** [Hu15, Liu13a]. **Bound** [HS13]. **Boundaries** [BK12, BMS14c, BMS14b, GL15]. **Boundary** [ANS15, AN10, BHHS15, BH11, Bea15, BRD15, BRY15, BS11, BCG15, BP10, BGGyS12, Bur12, CX10, CCWX11, CQR13a, CK14, DK14, Era12, Era13, FW13b, FKMP13, GL11, GL12, GLL11, HH10a, HLM13, HJHUT14, JWX14, Kas13, KCDQ15, KSU14, KSS12, KP12, LM13b, LM14a, Mas15a, Mas15b, PL10, SDKS13, Ste11, SU12, WYZ14, WBL<sup>+</sup>15, Wan15, ZD10]. **Boundary-Value** [WYZ14]. **Bounded** [UU16, WY11]. **Bounds** [AR10a, ADGP14, BH11, Die14, FGS14, LZ14, Ovt11, Peñ07, SV14, Sin14, Spa14, WW13, WL11, Xia10, Xia12, Ye13, ZWX13]. **Box** [DP12]. **Box-constrained** [DP12]. **Boxcar** [BCS13]. **BPX** [LX16]. **Breadth** [LZ12]. **Breakage** [KST15]. **Bregman** [HYZ16]. **Brinkman** [Tak13, HK16, VV14]. **Brittle** [BOS10]. **Broken** [KWC10]. **BSDE** [GL10]. **BSDEs** [Cha14, CR15]. **Buckling** [LMR10]. **Bulk** [DER14]. **Burgers** [AGK<sup>+</sup>11, BJ13, LMO12]. **Butterfly** [KM12b, Yin09]. **Cahn** [FW12a, ABSV16, BMO11, BMS14a, BGGyS12, CDMP16, DFW15, DY16, FLX16, KLM11, KLM14]. **Calculate** [CBHW13]. **Calculation** [ADGP14, ADGP16]. **Calculations** [Bac13]. **Calculus** [MM13a]. **Capturing** [ZM16]. **Carlo** [AHS14b, AHS16, AKP14, BFRS16, CST13, Dic11, GSY16, HW15, JML13, KSW14, KSS13, WCK15]. **Cartesian** [CK16, Mir14]. **Case** [Dic11, JMN14, LZ12, LO13b]. **Cauchy** [CvN10, DHH13]. **Causality** [Mir16]. **Cavitation** [SL15]. **Cavities** [LMS13]. **Cell** [FR16, Nor15, Nor16, OHBNX15, PW14]. **Cell-Centered** [Nor15, Nor16, OHBNX15]. **Center** [PKK<sup>+</sup>15]. **Centered** [EP16, Nor15, Nor16, OHBNX15, PV16, RP13, RL15]. **Centered-Potential** [PV16]. **Centroidal** [BR15b]. **Certain** [FFP14]. **Certified** [MGGJ13]. **CG** [Wal10, Wal14b]. **CG1** [BBK15]. **Chain** [DMP13, JML13]. **Chained** [AF16]. **Chains** [And13]. **Changes** [BMO11]. **Chaos** [ZTRK15]. **Characteristic** [AW10b]. **Characteristics** [WSS14]. **Characteristics-Mixed** [WSS14]. **Characterization** [MB16]. **Characterizing** [LQT16]. **Chebyshev** [DW14, KPK11, LR14, PGvD12]. **Chemotaxis** [NR12]. **Choice** [FNP14, JL10, PST15]. **Ciarlet** [Zul15].

- CIP** [BS16, DW15, ZW13]. **Circuits** [AKGR14]. **Circular** [GX14]. **Clamped** [BSZZ13]. **Class** [Che10, CRR16, DP12, FFP14, KSS13, Kwa12, LR13, LYZ15, OP12, Pet10, Pet11, YH16, ZSZ15]. **Classical** [GTW<sup>+</sup>12]. **Clenshaw** [DGK13, XB13]. **Closed** [HLZ15]. **Closest** [MM13a]. **Clusters** [BD16b]. **Coagulation** [BMK10, PW14]. **Coarse** [DW13, KRR15, SVZ12, TT10]. **Coarse-Grained** [TT10]. **Coefficient** [FF14, Mac10, WY13]. **Coefficients** [BBHS14, BDN13, Cha12, CST13, CLJ<sup>+</sup>16, GKR13, mHLZ16, KSS13, LLS13, Oh13, PH16, SVZ12, SS13b, SS14, TZ13b, Wan16]. **Coercivity** [BS11]. **Coherent** [ABGJ13]. **Cohomology** [RBGV13]. **Collocation** [Bie11, BIT13, FW13b, KPK11, LB13, LB16, Mas15a, Mas15b, SWG14, YB13, ZG12, ZZK15, ZTRK15, ZLB16]. **Combined** [BBK15, HFL12, Wal14b]. **Communication** [AKP14]. **Compact** [DH15b, Kol14, ILzSsS10, SDKS13, Wan15, nZzSZ12]. **Compactness** [BCD<sup>+</sup>11, Wal10]. **Comparative** [HVX13]. **Comparison** [CPS13, TD13, Wan16]. **Compatible** [BPS11, DY16, TD14]. **Competitive** [LCS15]. **Complete** [KZ15]. **Complex** [ALS13, ABS12, ABS15]. **Complexes** [FN13]. **Complexity** [AHS14b, BMS10, CG12a, CGT15]. **Component** [GO12]. **Components** [GKR13, KLP10]. **Composite** [Bie11, BS16, CZAL10, CZAL13, DGS13, LCYC15]. **Composition** [Ver12]. **Compressed** [BRD15]. **Compressible** [CK16, EGHL10, KK10, OHBNX15, SS13a, Svä16]. **Compressive** [Fou11]. **Computable** [AR10a]. **Computation** [AGK<sup>+</sup>11, BPS11, CI12, CET<sup>+</sup>16, Che11b, DK13, HL15, JO10, LCY13, Seg10, SL15, YZ14]. **Computational** [BGN16, BBE11, BES12, CG12a, Pet10, Pet11]. **Computations** [HMP14, WNPN14]. **Computes** [FW13a]. **Computing** [BDSV10, Hül10, KW14a, LZ12, LCS15, Wan14]. **concave** [BS15]. **Concerning** [GF12]. **Condensates** [HMP14]. **Condition** [BJS13, Kas13, Loi13, Peñ07, Ran13, WBL<sup>+</sup>15, Xia10]. **Conditioned** [ACSW10]. **Conditioning** [AU14, CD12]. **Conditions** [AKGR14, AN10, BRD15, BRY15, BP10, BGgyS12, Bur12, CGH<sup>+</sup>10, CHP10, Der12, KZ15, KSS12, PL10, SDKS13, SZ13, XQ10, ZD10]. **Conductivity** [LCYC15]. **Conforming** [CZ10a, CZ12, EV15, Hu15, KS14, WZ12]. **Conjecture** [CZZ15]. **Conjugate** [ZJB16]. **Connection** [CELR11]. **Conservation** [ACG15, CS13, CMS16, FN13, FMT12, FS16, FS11, GPS16, GMP15, GU10a, GU10b, GNPy14, GP16a, HLY13, LY11, LAFS16, MZ16, MSZW13, MT11, Ren15, Ren16, ZM16, ZS10b, ZS10a, ZH15]. **Conservative** [AW10b, CFMP13, CER14, LY12, WBN16, WY13]. **Conserved** [CHWG15, CLL10, HZZ11]. **Conserving** [MJRK11]. **Consistency** [OZ13]. **Consistent** [BV10, BNP10]. **Constant** [mHLZ16]. **Constants** [BS11, SV14]. **Constrained** [BBS16, CS13, CGT15, CG12b, CK14, HM16, SW16, ZCY12, DP12]. **Constraint** [DLTZ13, LYyM10, MT11]. **Constraints** [ACCE10, BG10b, DD12, Lee15, LCY13, MM10, MO14]. **Construct** [WBN16]. **Construction** [DL11, FN13, GSY16, MB16, OZ13, RGV13]. **Constructions** [BO15]. **Constructive** [NKK13]. **Contact** [BBHJ15, CH13, DH15a, Sch11]. **Context** [BRO10]. **Continuation** [MGGJ13]. **Continuous** [And13, GWW14, GP16b, Kwo11, LM13a, LT13, LA11a, LA11b, WR12, YG15]. **Continuum** [OBLS14, VL11]. **Contours** [DH13b, DTV15]. **Contractive** [Li10]. **Control** [ANS15, AF12, AF16, BKM13, BHHN14, CDG14, CM14, CHYL11, CG12b, CQR13a, CK14, DG13, DGGQ16, DEV13,

DP12, GLV11, GL10, GY16, GLL11, HN11, HLM13, JL10, Jin15, LV16a, OP12, RUM13, SWWW12, YH16]. **Convex-concave** [BS15]. **Convexity** [MO14].  
**Convexity-Like** [MO14]. **Convolution** [CC14, CCCS16, ZLB16]. **Cook** [KLM11, KLM14]. **Coordinates** [FGS14].  
**Cordes** [SS14, SS13b]. **Corner** [ERW14]. **Corners** [DH13b, DTV15, GSS12]. **Corrected** [AW10b, ERW14, KPK11].  
**Correction** [BB16, BJK16a, Xia10]. **Corrections** [GWW14]. **Corrigendum** [ACSW14]. **Corrosion** [AKK<sup>+</sup>11]. **Cosine** [GLMV16, HM14]. **Coulomb** [DE11].  
**Coupled** [BG10a, BM16, D'A12, DJY14, GHM10, KSU14, MS12, RGMP16, ZZLB13]. **Coupling** [BCL13, CGS13c, DGGQ16, Era12, Era13, GMM12, OBL14, OZ13, PVWW13, Ste11].  
**Crank** [AF12, BKM13, GLS14, LGS14, ZLL<sup>+</sup>14, nZzSwW11]. **Critical** [DS10]. **Cross** [DKP10, Käm13, Loi13, LY13, Mur14, SW10].  
**Cross-Diffusion** [Mur14]. **Crouzeix** [CGS13a]. **Crystal** [BLWW13, GR15, WW11a]. **Crystals** [AAEM15]. **Cubature** [Dör12, HNSV13, UU16]. **Cubic** [Arà13].  
**Cuboid** [Hu15]. **Curl** [DLTZ13, BPS11, DW12]. **Curlcurl** [DLT16]. **Curtis** [DGK13, XB13]. **Curvature** [BGN16, HLZ15]. **Curved** [BMS14c, BMS14b, LMO12]. **Curves** [HJHUT14, JKK<sup>+</sup>13, RL13]. **Cycle** [HVX13]. **Cylindrical** [GPV13].  
**D** [AAN11, CK16, DH15a, GKR13, HMP11, LOR11, NS10, RBGV13]. **Damping** [CCKW15]. **Darcy** [DFW15, BG10a, CGH<sup>+</sup>10, CGHW11, CGSW13, DGGQ16, Erv13, FW12a, Hes15, MS12, RP13, RL15, SW12, SZ13, ZZLB13].  
**Data** [BPS12, CK10, CQR13b, FW12b, Han11, Woj12, ZG12]. **Decomposition** [BG14a, BCHB10, CGHW11, CX13, DD12].

DGGQ16, GH12, HJJ<sup>+</sup>13, HJKR16, Lee13, Lee15, LT13, LX14b, LCG<sup>+</sup>10, TL15].

**Decompositions** [GX14, LM11a].

**Deconvolution** [GRT14].

**Decoupled** [CHL12, SY15, ZHS16].

**Decoupling** [GSS12].

**Defects** [CEM13, WL14].

**Deficient** [IKP11].

**Definite** [FW12b, Hag11, Wil14].

**Definition** [Mor16].

**Degenerate** [AT16, BJK10, BC10, CGR12].

**Degree** [EV15].

**Degrees** [Sch16, Wal14a].

**DEIM** [CS12a].

**Delay** [BHX10, DKS16, MKW14, TYK11, TYK14].

**Delta** [Col10, DLTZ13, LM13b].

**Delta-Regularization** [DLTZ13].

**Deluxe** [Lee15].

**Denoising** [LM13a, ZCY12].

**Densities** [Grü13].

**Density** [GH10, GS11, LWW<sup>+</sup>15].

**Dependence** [BY12].

**Dependent** [GLS14, KW16, LLS13, MKW14, SK13, Tak15, WW10a].

**Derivation** [MKW14, SDKS13, LMO12].

**Derivative** [Cim12, UU16, Wan14].

**Derivatives** [DH15b, KB12].

**Deriving** [BDS12].

**Descent** [KV10, Ney13].

**Description** [BY12].

**Design** [CL15, LCYC15].

**Designs** [ACSW10, ACSW12, ACSW14].

**Detection** [ZWGB15].

**Deterioration** [BH12].

**Determinant** [ZB15].

**Deterministic** [Liu13a].

**Development** [KST15].

**Deviating** [Mas15b].

**DFNs** [BBS16].

**DG** [CCF14, CDGQ10, JLQX14, LR13, Wal10, Wal14b].

**DG2** [BBK15].

**DGFEM** [SSW13b, SSW13a].

**Diagonal** [MM14, Peñ07, Xia10].

**Diagonally** [BDdSM13].

**Diagrams** [BR15b].

**Diffeomorphic** [BG10b].

**Difference** [ACCD13, AP16b, Akr15, And13, ABS12, ABS15, BC12b, BGN16, BJK10, CLL10, CLJ<sup>+</sup>16, CRR16, FO11, HO14, KL11, NV14, RP13, RL15, SDKS13, WBN16, WL11, WW11a, Wan15, nZzSwW11].

**Difference-Quadrature** [BJK10, HO14].

**Differences** [KB12].

**Different** [TD13].

**Differentiable** [HHZ11].

**Differential** [AP16b, AHS16, BCD<sup>+</sup>11, BMV12, BHX10, BK10, BRSV11, CFZ15, Cha12, CQR13b, CRR16, DER14, DHP13, FO13, GR16, GL11, GL12, GO12, HS14, HZZ11, KSS13, LR14, Li10, LL15, LM11a, Mao15, MZ14, Mas15a, Mas15b, MBMS11, PS16, Rie14, Röß10, SV14, TYK11, TYK14, WBN16, WY13, YZ11, YG15, ZG12, ZZK15, ZZJ10].

**Differential-Algebraic** [LM11a, TYK11, TYK14].

**Differentiation** [AC10, BH12].

**Diffraction** [Kal12, WBL<sup>+</sup>15].

**Diffuse** [FW12a, Grü13].

**Diffusion** [ACCE10, ABS12, ABS15, AGK<sup>+</sup>11, BB12, BB13, BCCHV14, BG14b, CZ12, CF12, CD14, CS10, DH13a, DDD<sup>+</sup>14, DJY14, DEM15, DEV13, DTZ13, GPV13, HH14, HJJ<sup>+</sup>13, HKL16, JLZ16, JN11, Kno10, Kop15, LMV13, LNR11, LS15, LX16, LS13b, LM10, Luc11, Mur14, MM13b, MAF14, ORX14, DDE15, TD13, WW10b, WW10a, WYZ14, WSZ15, Wel11, XH14, ZLL<sup>+</sup>14, nZzSZ12, ZTRK15, ZLY16, dFGAN10, CM10, KL11].

**Diffusion-Dispersion** [LS15].

**Diffusion-Reaction** [GPV13, ZTRK15].

**Diffusion-Wave** [nZzSZ12].

**Diffusive** [FSX13, GK10, JLQX14].

**Diffusivity** [CLJ<sup>+</sup>16].

**Digital** [Dic11].

**Dim** [Liu11].

**Dimension** [CS10, CS12b, FHW12, MSZW13].

**Dimension-independent** [FHW12].

**Dimensional** [BG14a, BCM10, CHWG15, CSYZ15, CW16, DW12, DK14, GL13, GY16, Gos14, IPP13, JV15, KM12a, LY13, Mac10, MZ13, Mor16, OZ13, SNSM13, SDKS13, SW10, SDG16, TL15, ZLL<sup>+</sup>14, ZS10b, nZzSZ12, ZWGB15, CLJ<sup>+</sup>16, D'A12, GTW<sup>+</sup>12, KFJ16].

**Dimensions** [ACG15, BRSV11, CCM10, CLL10, DH15b, FO11, GMM12, GB10, PH16, RG16, SY12, WW10a].

**Dimer** [ZD12].

**Diminishing** [ZS10b].

**Dirac** [ABSV11, BCJT16, D'A12, KW14b].

**Direct** [AKK<sup>+</sup>11, FKS14].

**Direction**

- [HY13, HY12, JJLW16, YH16, nZzSZ12].
- Directions** [LM11a]. **Directly** [FW13a].
- Director** [GR15]. **Dirichlet** [BH11, SDKS13, SU12, WYZ14, XQ10].
- Discontinuity** [ZWGB15]. **Discontinuous** [AR10a, ADM<sup>+</sup>15, ASV15, AH15, BN10, BDN13, BFH14, BHX10, BTG12, BTDG13, CYZ11, CGJ13, CZZ14, CSYZ15, CC13, CF12, CLX13, CS10, CGLM14, CK14, CKW13, CGS13c, CZ13, DLM13, DG13, DD12, DGS13, EO14a, EGMP13, EV15, FW14, FLX16, FF14, GH15, GLV11, GMP15, GU10a, GU10b, GK10, HJS13, HW15, HMP11, HP15, HK16, JP10, KS14, KCL13, KS13, LH12, Liu11, Mac10, Mas13, MZ16, MSZW13, MJRK11, MBMS11, MM13b, MAF14, NP16, NS10, Oh13, DDE15, Ren15, Ren16, RW11, SS13b, SS14, TD15, WHIC10, WSZ15, XS12, XH14, YS13, ZM16, ZS10a, ZH15].
- Discontinuous-Skeletal** [DDE15].
- Discrepancy** [BO15, GWW12]. **Discrete** [AGK<sup>+</sup>11, BKM13, Bar13, BNS14, BCD<sup>+</sup>11, BKN13, BRSV11, CS14, CGS13a, CM10, DH15a, DE13, FH10, FW12a, GG10a, HZZ11, HM14, Hül10, KM12a, KM12c, LM13b, Mur14, NKK13, RWJG13, Ren15, Ren16, Tow15, WR12]. **Discrete-Time** [Mur14]. **Discretization** [ACLW16, ABLV13, BLM10, BB12, BRY15, BY12, Bré13, CET<sup>+</sup>16, CH12, DEM15, DKG<sup>+</sup>14, DKGS16, EJK10, EWK13, FKS14, GH15, Gra15, HN11, HMP14, HPS13, HK16, JN11, Kay10, Kwo11, LR13, Nor15, Nor16, PF13, PH16, Sch16, SW12, TD14, YB11, GPS16].
- Discretizations** [ASV15, Bar14, BLM11, CP13, Der12, DD12, EV15, HP15, LG11, LSZ11, MS11, MPPS10, Mir16]. **Discretized** [BB13, KLW16, LWW<sup>+</sup>15, ZX14].
- Discretizing** [TT15]. **Dislocation** [CFM11]. **Dispersion** [AGK<sup>+</sup>11, BBHS14, LS15, ZW11].
- Displacement** [BSZZ13, CR12, RW11, WSS14].
- Dissipation** [ELM15, WL14]. **Dissipative** [SMSF15]. **Distributed** [BCG15].
- Distribution** [PBL15]. **Distributions** [TT15]. **Div** [CK10, CFZ15, CELR11, BPS11, CK11, Ku11a, Ku11b]. **div-curl** [BPS11]. **Divergence** [BFK16, DLTZ13, KS14, KW16].
- Divergence-Conforming** [KS14].
- Divergence-Free** [DLTZ13, KW16].
- Division** [DHRBR12]. **Domain** [CHWG15, CLL10, CGHW11, CW13, CX13, DD12, DGGQ16, DW14, GH12, GX14, HJJ<sup>+</sup>13, HJKR16, KWB15, KS12, Lee13, Lee15, LT13, LX14b, LCG<sup>+</sup>10, Tak13, TL15, WY11, YZ14]. **Domains** [DGHP16, FHM16, GP16b, LMV13, LV16a, Liu13b, LO13a, Loi13, mXqW10, Zul15].
- Dominance** [Peñ07, Xia10]. **Dominated** [AKK14, CQR13a, DH13a, Der12, HL10, LH12]. **Double** [DLTZ13]. **Douglas** [BS15, HY12]. **Downwind** [Ket11].
- Downwind-Biased** [Ket11]. **DP** [DGS13, GKR13, KLP10, KRR15, TL15].
- DPG** [CDG14, DG11, DH13a, HP14]. **Drift** [BCCHV14]. **Drift-Diffusion** [BCCHV14].
- Driven** [ACLW16, DKS16, DHP13]. **Drum** [ZB15]. **Dual** [PW12, SL15, WW11b].
- Dual-parametric** [SL15]. **Duality** [CM10, KM12a]. **Dumbbell** [LY12, SY12].
- Dynamic** [BBHJ15, DE11, HVC15].
- Dynamical** [Hül10, KLW16, PM14].
- Dynamics** [AVZ15, AN10, CFM11, CCM10, Col10, DK13, DDD<sup>+</sup>14, LCS15, ZD12].
- Edge** [CWZ14, EG13, Wal14a]. **Effective** [FKS14, HMKV13]. **Effects** [ANS15, BGN16]. **Efficiency** [Pet10, Pet11].
- Efficient** [And13, CET<sup>+</sup>16, CGSW13, GRT14, GL13, GTW<sup>+</sup>12, Hu15, Liu13b, VH14, ZB15].
- Ehrlich** [SWWW12]. **Eigenfunction** [ZZY13]. **Eigenfunctions** [CGL<sup>+</sup>10].
- Eigenproblem** [DLT13]. **Eigenvalue** [BSS10, BD16b, CZAL13, CG12a, CH12,

DLT16, KSU14, LO13a, NZ12, Ovt11, Sau10, SLY16, SU12, WNPN14, YB11, ZJB16, ZHZ<sup>+14</sup>. **Eigenvalues** [BH11, BV16, BMV12, SV14, SLY16, Sun11]. **Eikonal** [FF14, LQB14]. **Einstein** [HMP14]. **Elastance** [RG16]. **Elastic** [DK14, GHM10, KP12, LY12, SY12]. **Elasticity** [BGN16, BBM13, BMcS10, CR12, GKR13, GG11, GMR15, Hu15, Kim11, MMR13, Nor15, OHBNX15, QD11, SSS11, SL15]. **Elastodynamics** [AL14]. **Electric** [BHH10]. **Electromagnetic** [CH12, Cim12, GHM10, LMS13]. **Electronic** [Bac13]. **Element** [AP16a, AAEM15, AR10a, AW10a, AABR13, ABMV14, ABSV16, ABPV12, ASW10, BCGS10, BC12a, BCE14, BV10, BMS10, BM11, BET11, BCL16, BBDR12, BdSS13, BRY15, Bie11, BPP15, BCG15, BG14b, BDN13, BD16b, BDS15, BRK14, BFK16, BTG12, BOS10, CWZ10, CYZ11, CK11, CGOT16, CGH<sup>+10</sup>, CKP11, CG12a, CGR12, CPS13, CP15, CST13, CCL<sup>+14</sup>, CX10, CWZ14, D'A12, DER14, Dem10, DO12, DEM15, DFW15, DKS13, DGS13, DTZ13, DLTZ13, DLT13, DLT16, DAA13, DE13, EJK10, ERW14, Era12, Era13, Erv13, FW13a, FKMP13, FH10, FW12a, FR14, GHM10, GL15, GY16, Gra15, GR16, GH10, Gud12, GNPY14, GP16a, GP16b, GB10, HLZ15, mHLZ16, HLM13, HR13, HH10b, HHZ11, HS13, HHX11, HKL16, IWY10, Ing11, JMN14, JS13, JLZ13, JLPZ14, JLZ16, JN11, KK10, Kas13, KCDQ15, KP10]. **Element** [Kim11, KSU14, KSS12, KSW14, KLS10, KLM11, KLM14, Ku11a, KSS13, KWC10, LMV13, LG11, LL11, LV16a, LV16b, LX16, LS13b, LLZ15, LYYM10, LSZ11, LMM<sup>+13</sup>, LL13, MZ13, MNQ13, MMR13, MW12, MNP12, MT13, OR14, ORX14, OHBNX15, OP12, OS16, ORB16, QTX15, QD11, Reu13, RBGV13, SZ15, Sch11, SS13b, SS14, SU12, SV15, Wal14a, WZ12, WYZ14, WBL<sup>+15</sup>, Wel11, WW11b, YDG10, YB11, YG15, dFGAN10]. **Elements** [ABW15, AC12, Bar12, BNS13, BBM13, BCLP10, BBHS14, BMS14c, BMS14b, BEF10, BS16, CZ10a, CZ10b, CZ12, CQS12, FN13, GMM12, GG11, Hal16, HH10a, HJHUT14, Hu15, LL11, Lee13, Lee15, Mac10, Sau10, Ste11, WCH10]. **ELLAM** [WW10b]. **Elliptic** [ABLV13, ADM<sup>+15</sup>, ASV15, ABSV11, AX13, AT16, ASW10, AKK14, BLM11, BPS12, Bie11, BDN13, BN11, CZ10a, CFZ15, Cha12, CST13, CX10, Che10, CQR13a, CQR13b, Cim12, CQS12, CZ13, D'A12, DHH13, DS11, DG13, DW13, DL11, DLT13, ELS15, FW13b, FO11, Git13, mHLZ16, HL10, HM16, JP10, KP10, KW14b, KL13, KSW14, KSS13, Kwa12, LH12, LLZ15, LCY13, Mas13, Sau10, SVZ12, SSZ11, SSW13a, SSW13b, SS13b, TZ13a, WHIC10, WZ12, WY13, Wan15, YB11, ZZY13]. **Embedded** [FW12b, KMR13, SK13]. **Empirical** [MMT16]. **Endpoint** [AR14]. **Energy** [AAEM15, BIT13, CHWG15, CLL10, Dem10, ERW14, LW16, MB16, SWWW12, SY15, VL11, WW11a]. **Energy-** [BIT13]. **Energy-Based** [VL11]. **Energy-Conserved** [CHWG15, CLL10]. **Energy-Corrected** [ERW14]. **Energy-Minimization** [AAEM15]. **Energy-Preserving** [LW16, MB16]. **Engineering** [SS13a]. **Enhanced** [BMcS10, CDM13]. **Enhancement** [LTX13]. **Enhancing** [CCL<sup>+14</sup>]. **ensemble** [HLT16]. **Entropy** [BDS12, CFMP13, CK16, FMT12, LY12, LCS15, MM14]. **Epitaxy** [QTX15, SWWW12]. **Equally** [JDZY16]. **Equation** [AP16a, ABSV16, AT16, AAN11, AGK<sup>+11</sup>, BCE14, BMK10, BC12b, BCZ14, BC14, BCJT16, BLWW13, BBK15, Bec11, BKS11, BHH10, BJ13, CHP13, CC14, CDM13, CLX13, CH16, CLS13, DGHP16, DG11, DEM15, DH11, DH13b, DTV15, DKS11, DW15, DAA13, DK14, DKR15,

EV10, FS14, FLX16, FF14, Fis15, FL16, FSX13, FO11, FO13, Gao14, Gaz14, GHS14, GK10, Han13, HS14, HN11, HP14, HMP11, HS13, IPP13, JWX14, JW13, JLPZ14, KZ15, KLS10, KLM11, KLM14, KP12, KST15, LMM16, LY11, LM11a, LY12, MS11, NKK13, PLR11, PH16, RG16, RW11, RSY12, SV10, SDKS13, SY12, Ste11, WW11a, Wel11, WY11, YZ14, ZLL<sup>+</sup>14, nZzSwW11, nZzSZ12, Zhe14, ZW13].

**Equation-Free** [SV10]. **Equations** [AP16b, AC10, Akr15, AHS16, ACLW16, AF12, AH15, ABPV12, BCGS10, BMO11, BM11, BG11, BMS14a, BS14, BdSS13, BRY15, BPS11, BCL13, BMV12, BHX10, BK10, CZ10a, CWZ10, CFZ15, CHWG15, CGOT16, CZAL10, CZAL13, CZZ14, CSYZ15, CP13, Car13, CGS13b, CELR11, CCCS16, CCM10, Cha12, CLL10, Che10, CCWX11, CHYL11, CQR13a, CX13, CQR13b, CD14, CS10, CGLM14, CW16, CWZ14, CRR16, CY10, DHSW13, DKS16, DK13, DER14, DDD<sup>+</sup>14, DJY14, DKG<sup>+</sup>14, DKGS16, DP11, DP13, Dör12, DY16, DHP13, ELS15, EO14a, EO14b, EWK13, ELN13, EGHL10, FW14, GLS14, Gau15, GSS12, GG15, GTW<sup>+</sup>12, GR16, GNPY14, GP16a, GL11, GL12, GO12, HH14, HH13, Hes15, Hla14, HP15, HS16, HZZ11, HFL12, HKL16, JV15, JLQX14, JS13, JLZ13, JW13, JLZ16, JN11, JN15, Kas13, KP10].

### Equations

[Kno10, KM12a, KSS13, KFJ16, KM12c, LLS16, LMO12, LOR11, LR14, Li10, LT13, LTX13, LGS14, LC15, LL15, LQT16, LB13, LB16, ILzSsS10, LM10, LMM<sup>+</sup>13, Liu13a, Liu13b, Luc11, LQB14, Mao15, MZ14, Mas15a, Mas15b, MST10, MMR13, MBMS11, MM13b, MAF14, NV14, Nor16, PL10, PW14, PS16, Röß10, Sch16, SWG14, SS13b, SS14, Svä16, TV16, Tha13, TYK11, TD13, TYK14, TL15, Ver12, Wal10, Wal14b, WBN16, WW10b, WW10a, WZ12, WY13, WYZ14, WL14, WR11, WR12, XS12, XH14, YDG10,

YS13, YB13, YZ11, YG15, ZG12, ZZY13, ZZK15, ZTRK15, ZLB16, ZLY16, ZZJ10].

**Equations-Continuous** [WR12].

**Equidistribution** [GH12]. **Equilibrated**

[BFH14, CZ12]. **Equivalent** [SV10].

**Ergodic** [AVZ14, Wan14]. **Erratum**

[GL12, KLM14]. **Erratum/Addendum**

[GL12]. **Error** [ALS13, AP16a, AR10a, AC10, AZC14, ANS15, ABLV13, AKP14, ASW10, BG10a, BKM13, BB16, BC12b, BC14, BMO11, Bar14, Bea15, Bec11, BKT13, BNS13, BLM10, BBS16, BPS12, BFH14, BES12, CZ10a, CK10, CZ10b, CYZ11, CK11, CZ12, CS13, CMS16, CKP11, CDG14, CM14, Cha12, CST13, CS12a, CET<sup>+</sup>16, CK14, CZ13, CBHW13, DF12, DG13, Dic11, Die14, DEV13, DW15, DLT13, EJK10, Era13, EV10, Fis15, FW12b, GLS14, Gao14, Gau15, GLV11, GLMV16, Gra15, GS11, GP16a, GLL11, HL10, HR13, HS16, HLS13, HH10b, HS13, JL10, JLZ13, JLPZ14, JN11, Kal12, KLP14, KPK11, Kim11, KW14b, KL13, Kop15, Ku11a, Ku11b, LOR11, LH12, LV13, LS13a, LGS14, LZ14, LS15, ILzSsS10, LYZ15, LA11a, MNP12, MT13, MPPS10, Mur14, NKK13, OR14].

**Error** [Ovt11, PW14, PVWW13, QTX15, Sau10, SZ15, SW16, SW12, SNSM13, Sin14, Spa14, SV15, SL15, TT15, WW13, WW10b, WL11, WSS14, WSZ15, WL16, Xia12, XS12, YDG10, Ye13, ZS10a, nZzSwW11, ZG12, ZZK15, ZLY16, ZWX13, Zhe14, ZW13].

**Errors** [CBHW13, Dem10, LTT13].

**Escalator** [BCS13]. **Essentially**

[CGS15, FMT12, HLY13]. **Estimate**

[BBS16, CK10, CS13, CMS16, CS12a, HS13, ILzSsS10, MM14, TT15, WW10b, ZLY16].

**Estimates** [AC10, AKK14, BCGS10, BB16, BC12b, BC14, Bar14, BFRS16, Bea15, CDM13, Cha12, CK14, DLT13, EJK10, Era13, EV15, Fis15, FW12b, GL13, GLS14, Gao14, GLMV16, GP16a, GLL11, HL10, HLS13, JL10, JLZ13, Kal12, KW14b, Kop15, KP12, Ku11a, Ku11b, KS12, LV13, LS13a,

- LGS14, LYZ15, Loi13, Luc11, MPPS10, Mur14, NKK13, OZ13, Sau10, Spa14, WW13, WW10a, WSZ15, WL16, Wan16, XS12, YDG10, ZS10a, nZzSwW11, ZZK15, Zhe14]. **Estimating** [FJK13]. **Estimation** [AZC14, BS11, CBHW13, DHRBR12, EV10, GH10, KL13, Ovt11, SZ15, SW16, SNSM13]. **Estimations** [CYZ11, XWG10]. **Estimator** [BG10a, BFH14, CZ12, Kim11]. **Estimators** [ABLV13, CZ10a, CZ10b, CK11, Ku11a]. **Euclidean** [BCG<sup>+</sup>10]. **Euler** [CR15, DKS16, DHP13, Gao14, KPK11, NV14, PS16, Rie14, WL14]. **Eulerian** [ORX14, WW10a]. **Evaluation** [CGT15, Gar15, LO13a]. **Evans** [HL15]. **Evolution** [AF12, BMV12, ELN13, GLMV16, HH13, PLR11]. **Evolutionary** [BHHS15, CLP12, JN11, JN15, LTT13, SZ13]. **Evolutions** [Bar14]. **Evolving** [DE13, LMV13, LNR11, OR14, ORX14]. **EWOD** [FW13a]. **Exact** [Bea15, RT16, TT15]. **Exclosures** [WNPN14]. **Existence** [BCGS10, HNSV13]. **Expansion** [NS10, Wan16, ZZY13]. **Expansions** [ASW10, CI12, EGK13, Tow15, Xia12, ZWX13]. **Explicit** [Akr15, BR13, BEF10, CMS16, CM14, DP13, GSY16, GO12, HMKV13, HKLN16, HPS13, HKL16, KLP14, LMV13, LM11b, MS11, MM14, Sau10, WSZ15, ZS10a, ZSZ15]. **Exponent** [DAA13]. **Exponential** [AR14, BC14, BJK16b, CS12b, DP11, GG13, GT15, GT16, HLY13, LO13b, Mao15, OS13, SSW13b, WW10c]. **Exponentially** [KWH16]. **Exponentials** [Ye13]. **Expressions** [Sin14]. **Extended** [GG13, SW12]. **Extensible** [LY12, SY12]. **Extension** [Huy10, Kwo11]. **Extensions** [BM16, GU10b, IPP13]. **Exterior** [BHHS15]. **External** [FR16]. **Extrapolation** [mHLZ16]. **Extremal** [GL11, GL12]. **Factor** [Liu11]. **Factorization** [LQB14]. **Falk** [GMM12, Lee13, Lee15]. **Family** [CLP12, Hu15, Zha13a]. **Far** [GHS14]. **Fast** [AGK<sup>+</sup>11, BKS11, CFM11, CFH13, CCWX11, CLJ<sup>+</sup>16, DKP10, JWX14, LL11, LQB14, Mir14, PGvD12, Tow15, GS14]. **Fast-Marching** [Mir14]. **Fatemi** [LM13a, WL11]. **FE** [CELR11, GRT14, LS14]. **Fekete** [BDSV10]. **FEM** [CR12, DLM13, DW15, FFP14, Gao14, LS13a, RW13, SL15, ZW13]. **FEMs** [CGS13a, CL15, GLS14, LS15, WSS14]. **FETI** [DGS13, GKR13, KLP10, KRR15, TL15]. **FETI-DP** [GKR13, KLP10, TL15]. **Fictitious** [KWB15]. **Field** [ACD10, ACCD13, AP16b, BLWW13, BO11, BHH10, CS14, CH12, DKG<sup>+</sup>14, EJK10, FR16, GHM10, GHS14, Han13, LQT16, SY15, WW11a]. **Field-of-Values** [BO11]. **Fields** [Oh13]. **Fifth** [Liu13b]. **Film** [NV14, SWWW12]. **Filon** [DGK13]. **Filter** [ELN13]. **Filter-Based** [ELN13]. **Filtered** [FO13]. **Filtering** [Sel10, HLT16]. **Filters** [NP16]. **Finance** [HFL12, WR11]. **Finding** [Pet10, Pet11]. **Finite** [AP16a, ACCD13, AP16b, AAEM15, AR10a, AW10a, AABR13, ABW15, AC12, And13, ACCE10, ABS12, ABS15, ABPV12, ASW10, BCGS10, BC12a, BCE14, BC12b, BV10, Bar12, BMS10, BM11, BET11, BCL16, BBDR12, BBHS14, BdSS13, BRY15, BCCHV14, Bie11, BPP15, BCG15, BG14b, BDN13, BD16b, BDS15, BRK14, BFK16, BOS10, BEF10, BS16, CWZ10, CZ10b, CYZ11, CK11, CGOT16, CMS16, CGH<sup>+</sup>10, CZZ15, CKP11, CG12a, CGR12, CPS13, CP15, CK16, CST13, CCL<sup>+</sup>14, CLL10, CX10, Che10, CLJ<sup>+</sup>16, Cla13, CM10, CY10, D'A12, DER14, Dem10, DO12, DEM15, DFW15, DKS13, DGS13, DTZ13, DLTZ13, DLT13, DLT16, DAA13, DE13, EJK10, ERW14, Era12, Era13, EP16, Erv13, FW13a, FN13, FH10, FW12a, FR14, FO11, GHM10, GMM12, GL15, GG10a, GY16, GG11, Gra15, GR16, GH10]. **Finite** [Gud12, GNPY14, GP16a, GP16b, GB10,

- HH14, HLZ15, mHLZ16, HR13, HH10b, HHZ11, Hu15, HHX11, HO14, HKL16, IWY10, Ing11, JMN14, JS13, JLZ13, JLPZ14, JLZ16, JN11, KK10, Kas13, KCDQ15, KP10, Kim11, KSU14, KB12, KSS12, KSW14, KLS10, KLM11, KLM14, KM12a, Ku11a, KST15, KSS13, KWC10, Kwa12, KL11, LMV13, LMO12, LG11, LL11, LNR11, LV16a, LV16b, LX16, LS13b, LY15, LLZ15, LR12, LY1M10, LSZ11, LMM<sup>+</sup>13, LL13, Mac10, MZ13, MNQ13, MMR13, MW12, MNP12, MT13, Nor15, Nor16, OR14, ORX14, OHBNX15, OP12, OS16, ORB16, QTX15, QD11, Reu13, RBGV13, RP13, RL15, SS13a, Sau10, SZ15, Sch11, SDKS13, SS13b, SS14, Ste11, SV15, Wal14a, WBN16, WL11, WW11a, WZ12, WYZ14, WBL<sup>+</sup>15, Wan15, WL16, WCH10, Wel11, WW11b, YDG10, YB11, YG15, dFGAN10].
- Finite-Difference** [CLL10, WL11, WW11a].
- Finite-Element** [AAEM15].
- Finite-Volume** [SS13a]. **Finitely** [LY12, SY12]. **First** [BG11, BMS14c, BMS14b, BEF10, CFZ15, CS14, DHSW13, GP16a, GP16b, Ku11a, Ku11b, LMM<sup>+</sup>13, MS12, RBGV13, Sel10, SSS11, Zhe14].
- First-Order** [BG11, BMS14c, BEF10, CFZ15, GP16b, Ku11a, Ku11b, LMM<sup>+</sup>13, MS12, SSS11, Zhe14, BMS14b, GP16a].
- Fitted** [LW16]. **Fixed** [HFL12, WN11].
- Fixed-Point** [WN11]. **Flames** [DDD<sup>+</sup>14].
- Flocking** [RT16]. **Flow** [ABW15, BGN16, Bea15, BBS16, CWZ10, CGH<sup>+</sup>10, DMP13, Erv13, FW12a, FLX16, GWW14, Grü13, HT16, KK10, KS13, KPR13, LS13a, LS14, LS15, MS12, RL15, SS13a, SZ13, VH14, WY11]. **Flows** [BNS14, BdL10, CHP10, DKS13, FJK13, GS11, Ing11, LTT13, NV14, SWWW12, SY15, Tak13, ZZLB13]. **Fluid** [BCM10, BM16, CHP10, Col10, CHL12, GMM12, GGNV10, KSU14, KL15, RGMP16, Zha13a, ZHS16]. **Fluid-Fluid** [CHL12, ZHS16]. **Fluid-Solid** [GMM12, KSU14]. **Fluid-Structure** [GGNV10, KL15, RGMP16]. **Fluids** [DKS13, Grü13]. **Flux** [AWJ16, BJK16a, BCL16, BR13, CZ10a, EV10, IWY10, Ste13].
- Flux-Explicit** [BR13]. **Fluxes** [GPS16, MT11]. **Fokker** [LMM16, LY12, SY12]. **Following** [HL15].
- Force** [LM14b]. **Force-Based** [LM14b].
- Forchheimer** [RP13, RL15]. **Forcing** [LMM16]. **Form** [AH15, BCE14, BFK16, CDMP16, DK14, LOR11, SS13b]. **Format** [RU13]. **Forms** [BCD<sup>+</sup>11, BRSV11].
- Formula** [AC10, UU16]. **Formulae** [BIT13, Spa14]. **Formulas** [Akr15, BG14b, HNSV13]. **Formulation** [ABMV14, AH15, BBS16, BPP15, CGS15, GLZ15, HP14, HJKR16, Hu15, KLP10, LG11, MMR13, SY12, VV14, ZZLB13].
- Formulations** [BKN13, HJJ<sup>+</sup>13, Kal16].
- FOSLL\*** [CFZ15]. **Foundation** [PW12].
- Fourier** [GS14, AHS14a, Car13, Che11b, DKP10, DY16, FHM16, Huy10, JWX14, KM12b, LQT16, Yin09]. **Fourier-Spectral** [LQT16]. **Fourth** [BN11, BGGyS12, CD14, GSS12, ILzSsS10, Seg10, Wan15, ZX14].
- Fourth-Order** [ILzSsS10, Wan15, ZX14].
- Fractional** [AU14, CD14, GS11, HO14, JLZ13, JLPZ14, JLZ16, LMM16, MM13b, MAF14, NOS16, OS16, WY13, WYZ14, XH14, ZLL<sup>+</sup>14, nZzSZ12, ZZK15, ZW11, CLJ<sup>+</sup>16]. **Fracture** [BOS10, HJKR16]. **Frame** [GS14, SDG16].
- Framework** [BDdSM13, DEV13, LA11a, LA11b, ZF16].
- Frank** [AAEM15]. **Fredholm** [ZB15]. **Free** [ANS15, BK12, BPP15, Bur12, DLTZ13, KW16, Liu11, ORB16, PKK<sup>+</sup>15, SV10].
- Freedom** [Wal14a]. **Frequency** [HLM13, LM11b]. **Friction** [DE11, Kas13].
- Friedrichs** [AKK14, BTG13, SV14]. **Frog** [GLMV16]. **Frolov** [UU16]. **Full** [ACLW16, ABBM11, EWK13, FHM16, Kol14, NKK13, SS13a]. **Fully** [AR10a, AW10b, BKM13, BB13, CS14,

- CM14, DE13, FH10, FW12a, HT16, SZ13].
- Fully-Implicit** [HT16]. **Function** [AKT14, BG14a, FHW12, HL15, NZ12, WW10c].
- Functional** [BMV12, Gra15, Li10, LL15, LWW<sup>+</sup>15, MZ14, Mas15a, Mas15b, MT16, WSD15].
- Functionally** [LW16]. **Functionals** [GU10a, Hag11]. **Functions** [AR14, BH12, Die14, Gar15, GG13, GG10b, GK13, HW15, HP14, HM14, Huy10, LM13b, MM13a, MN11, PST15, PWZ13, Spa14, UU16, XB13, Xia16, ZWX13].
- Fundamental** [TZ13b]. **Further** [BSS10].
- Galerkin** [EO14a, AR10a, ADM<sup>+</sup>15, ASV15, AH15, Bec11, BKT13, BB12, BB13, BdSS13, BPS12, BJ13, BN10, BFH14, BHX10, BTG12, BTDG13, CYZ11, CGJ13, CZZ14, CSYZ15, CC13, CF12, CHYL11, CLX13, CS10, CGLM14, CK14, CKW13, CGS13c, CZ13, DHSW13, DLM13, DG13, DKG<sup>+</sup>14, DKGS16, DTV15, DD12, DGS13, EGMP13, EV15, FW14, FLX16, FSX13, GH15, GLS14, GLV11, GMP15, GK10, HJS13, HMP11, HP15, HK16, HLS13, JP10, JWX14, JLZ16, JN15, KS14, KCL13, KS13, LH12, LV16b, LMS13, LS13a, LGS14, LS15, Liu11, Mas13, MZ16, MS11, MNP12, MSZW13, MJRK11, MBMS11, MM13b, MAF14, NP16, Ren15, Ren16, RW11, SY12, SS13b, SS14, SU12, TV16, TD15, WHIC10, WSZ15, XS12, XH14, YS13, YG15, ZM16, ZS10a, ZZK15, dFGAN10].
- Galerkin-Mixed** [LS13a].
- Galerkin/Strang** [EO14a]. **Game** [CS14].
- Games** [ACD10, ACCD13, AP16b]. **Gas** [CCM10]. **Gauge** [CH12]. **Gauss** [BIT13, Che11a, CS12b, CWZ14, PR14, SWG14, Spa14, Xia12, XB13, Xu11, ZWX13].
- Gauss-Type** [Xia12]. **Gaussian** [ADGP16, FHW12, GH10, Hag11, Zhe14].
- Gaussians** [Bac13]. **Gaver** [Kuz13].
- Gegenbauer** [Wan16, ZWX13]. **Gel** [FH10].
- General** [ACCE10, BJS13, CGT15, Gra15, Grü13, Jin11, LMM16, Loi13, MM13a, OHBNX15, OZ13, Pet10, Pet11, DDE15, Ste13, WCH10, Wil14, Zul15].
- Generalization** [Kno10]. **Generalized** [CHP10, CFM11, CFH13, KCDQ15, MMT16, MNQ13, SG15, mXqW10, ZLB16].
- Generalized-Structure** [SG15].
- Generalizing** [Goc16]. **Generation** [GH12].
- Generator** [FJK13]. **Genuinely** [MT11, ZS10b].
- Geometric** [JKK<sup>+</sup>13, Ney13, PS16, SSW13a, ZJB16].
- Geometrically** [BNP10]. **Geometries** [FKS14, Tak13].
- Ginzburg** [BMO11, GLS14]. **Give** [GSS12]. **Global** [ABBM11, BCGS10, CLP12, DK13, Kol14, Pot16]. **Globally** [Mor16]. **GMRes** [HDVV10]. **Goal** [BET11, CK11, FPvdZ16].
- Goal-Oriented** [CK11, FPvdZ16, BET11].
- Godunov** [CS13, Col10, Gos14]. **Good** [MZ14]. **Gordon** [BCZ14]. **Governed** [CHYL11]. **Grad** [CELR11]. **Grad-Div** [CELR11]. **Graddiv** [DLT16]. **graded** [Mor16]. **Gradient** [FGS14, HM16, HZZ11, LS14, MM14, Reu13, SWW12, VH14, WCH10, ZJB16].
- Gradients** [BC10]. **Grading** [ABSV11].
- Grained** [TT10]. **Gram** [ADGP14]. **Graph** [BCKZ13]. **Graphs** [BCKZ13]. **Grating** [WBL<sup>+</sup>15]. **Gratings** [Kal12]. **Gravity** [HT16]. **Grid** [KFJ16, PF13, PH16, RL15, YB11, ZWGB15, ZHZ<sup>+</sup>14]. **Grids** [AP16c, CH12, HHZ11, Mir14, SVZ12, Ste13, ZX14].
- Ground** [HMP14]. **Groundwater** [LT13].
- Group** [RBGV13]. **Growth** [CHP10].
- GSVD** [Goc16]. **Guaranteed** [Kim11].
- Guiding** [PKK<sup>+</sup>15].
- Hamilton** [HFL12, JS13, SS14, WR11].
- Hamiltonian** [LW16, MB16].
- Hammerstein** [YB13].
- Hammerstein-Type** [YB13]. **Hand** [ABSV11, KW14b]. **Handling** [MO14].
- Hanging** [AR10a]. **Hankel** [Tow15]. **Hard** [Fou11, KWB15]. **Hardening** [BMR12].

- Hardy** [BO16, Hal16]. **Harmonic** [CZ10c, FW14, Kwo11]. **HDG** [CQS12, ELS15]. **Heat** [EV10, HLS13, NKK13]. **Hele** [FW12a, FLX16]. **Helicity** [LOR11]. **Helmholtz** [CLX13, CX13, DW15, GHS14, Hal16, Han13, HMP11, KZ15, MS11, PH16, SZ15, ZW13]. **Hemivariational** [BBHJ15]. **Hemodynamics** [RGMP16]. **Hermite** [Arà13, JKK<sup>+</sup>13, LY13, MM10, Moo16, mXqW10]. **Hessian** [Che11a, KH14]. **Heterogeneous** [AP16a, AX13, HJS13, KS13, Mac15]. **Heuristic** [JL10, LY11]. **Hexahedra** [IWY10]. **Hidden** [AZC14]. **Hierarchical** [ABL13]. **High** [AVZ14, AP16c, ABW15, ADM<sup>+</sup>15, CCCS16, CDMP16, Che10, CLX13, CW16, DW15, DH15b, FMT12, HLM13, KW16, LLS16, Li10, LM11b, LY13, LQB14, NR12, Pet10, Pet11, PH16, RWJG13, SW10, SDG16, Tha13, WL16, XS12, ZS10b, ZWGB15, ZW13, ZH15]. **High-Accuracy** [AP16c]. **High-Dimensional** [LY13, SW10, SDG16, ZWGB15]. **High-Order** [CDMP16, DH15b, KW16, LLS16, LQB14, RWJG13, Tha13, FMT12]. **Higher** [BMS14b, BKN13, BD16b, CC14, DKG<sup>+</sup>14, DKGS16, DW15, DKR15, FO11, GL13, GT15, GT16, GR16, Jen11, Kwa12, RW13, Sch11]. **Higher-Dimensional** [GL13]. **Higher-Order** [BKN13, BD16b, GT15, GT16, Sch11, BMS14b]. **Highest** [SDKS13]. **Highest-Order** [SDKS13]. **Highly** [DGK13, SZ15, SVZ12]. **Hilbert** [GRZ15, HS15, WNP14, XWG10]. **Hill** [JZ12]. **Hilliard** [DFW15, KLM11, KLM14, ABSV16, BMS14a, BGGS12, CDMP16, FW12a, FLX16]. **HJB** [WR11, WR12]. **HLL** [WL14]. **HMM** [Bré13]. **Holes** [BK12]. **Homeomorphic** [BG10b]. **Homogeneous** [BKS11]. **Homogenization** [AX13, ELS15]. **Homogenization-Based** [ELS15]. **Homotopy** [JDZY16]. **Hood** [CELR11, LL11]. **hp** [QD11]. **hp-Finite** [QD11]. **Hybrid** [AHPV13, BRK14, BFK16, CDMP16, HT16, JP10, LMM<sup>+</sup>13, LM14b, LQB14, WY11]. **Hybrid-Mixed** [AHPV13]. **Hybridizable** [CLX13, CCF14, CGS13c, CZ13, GH15]. **Hybridization** [CGL<sup>+</sup>10]. **Hydrostatic** [GG15]. **Hyperbolic** [BBHJ15, BR13, BCL13, CZZ14, CSYZ15, CFMP13, CS10, Cla13, DKP10, GMP15, GP16b, HLY13, Käm13, LAFS16, LY13, Mac10, MM14, NR12, SW10, YS13, ZM16, ZH15]. **Hypersingular** [HP14]. **Hyperspherical** [ZWGB15]. **Ideal** [CK16]. **Identifying** [CLJ<sup>+</sup>16]. **II** [ADGP16, BB13, BES12, GT16, LR16, LB16, LA11b, Mas15b, MT11, SSW13b, ZW13]. **III** [BCL13]. **III** [KWH16, MRL14, MT16]. **III-Posed** [KWH16, MRL14, MT16]. **Image** [LM13a, LG11, WL11, ZCY12]. **Imaging** [AKK<sup>+</sup>11, ABGJ13, FKS14]. **IMEX** [BR13, JLQX14]. **Immersed** [Bea15, BCG15, BP10, LLZ15, LM13b, LM14a, RL13]. **Immunology** [Luc11]. **Impedance** [Han11]. **Implementations** [Mac15]. **Implicit** [Akr15, Bar14, BMS14a, CCM10, CCKW15, DKS13, DP13, HT16, HPS13, HP15, HS16, LMV13, LQT16, Rie14, SS13a, WSS15, nZzSZ12, ZSZ15]. **Implicit-Explicit** [Akr15, DP13, HPS13, ZSZ15]. **Imposed** [QD11]. **Imposition** [Bur12]. **Improved** [HR13, LXY13, SSS11]. **Impulse** [AF16]. **Impulsive** [HW14, KWH16]. **Inclusion** [BH11]. **Inclusions** [Han11, Rie14]. **Incompressibility** [Fis15]. **Incompressible** [ABW15, BdSS13, BCM10, CWZ10, CHP10, CP13, CHP13, CW16, DKS13, GKR13, GWW14, Grü13, GS11, KS13, KP12, LT13, LS13a, OHBNX15, SY15, TL15, YDG10]. **Increasing** [MJRK11]. **Indefinite**

- [CX10, FW14, SZ15]. **Independence**  
 [Mor16]. **Independent** [Bar14, DEM15, HJHUT14, MPPS10, FHW12]. **Inequalities**  
 [DH15a, GU14, GG10a, HSW13, KSW14, WHIC10]. **Inequality**  
 [AKK14, BBHJ15, MPPS10]. **Inexact**  
 [Jin15, Kay10, LK16]. **Infinite**  
 [BG14a, Hal16, LL15, NA15].  
**Infinite-Dimensional** [BG14a].  
**Infinitesimal** [FJK13]. **Inhomogeneous**  
 [Kal12, WYZ14]. **Initial** [ZZK15]. **Input**  
 [CQR13b, DMP13, ZG12]. **Inputs**  
 [DKG<sup>+</sup>14]. **Instability** [NT16]. **Integer**  
 [Rat16]. **Integral**  
 [AU14, BHHS15, BHH10, BS11, CCWX11, CGS15, HP14, JWX14, LTX13, LB13, LB16, LYMM10, RG16, SWG14, YB13, ZLB16].  
**Integral-Algebraic** [LB13, LB16].  
**Integrals** [CS12b, DGK13]. **Integrands**  
 [GSY16]. **Integration**  
 [AW10a, ACSW10, Bac13, BG14a, Dic11, Die14, FS11, FJK13, HVC15, LLS16, LL15, LOV15, MKW14, MZ14, RWJG13, Xu11].  
**Integrator** [BCZ14, BC14, BCJT16].  
**Integrators** [BRO10, BIT13, Gau15, GG13, GT15, GT16, MS14, MB16, SMSF15].  
**Integro** [BJK10, CRR16, MBMS11, YG15].  
**Integro-Differential**  
 [CRR16, MBMS11, YG15]. **Integro-PDE**  
 [BJK10]. **Integrodifference** [DK13].  
**Integrodifferential** [HN11]. **Interaction**  
 [BM16, CHL12, GHM10, GMM12, GGNV10, KSU14, KL15, ZHS16]. **Interactions**  
 [LCS15]. **Interest** [CCL<sup>+</sup>14]. **Interface**  
 [Bea15, BP10, CZ10b, CYZ11, CGH<sup>+</sup>10, Cim12, DGGQ16, DLT16, FW13a, FW12a, FR14, Grü13, KWC10, LLZ15, LM14b, Mas13, PF13, SZ13, WW13, Wel11, ZF16].  
**Interfaces** [BCL13, GPV13, OZ13].  
**Interfacial** [Gra15]. **Interferometry**  
 [ABGJ13]. **Interior** [ASW10, BFH14, BN11, BGGyS12, BSZZ13, DLM13, DP12, FLX16, GMR15, KS14, WW13]. **Internal**  
 [AKK<sup>+</sup>11, KLP14]. **Interpolants**  
 [Arà13, KB12]. **Interpolation**  
 [ACSW10, DW14, FW12b, GK13, HLY13, JKK<sup>+</sup>13, JDZY16, LA11a, MMT16, PGvD12, Ran13, WMI10, Xia16, Zha13b].  
**Interpolatory** [MM10]. **Interval**  
 [Hla14, LL15]. **Intervals** [LM11a]. **Intrinsic**  
 [PW12]. **Invariant** [AVZ14, CH12, GP16b].  
**Invariants** [BIT13].  
**Invariants-Preserving** [BIT13]. **Inverse**  
 [BLRX15, BBE11, BES12, Cim12, CDS10, DS11, HDVV10, HW14, JJLW16, Jin11, Kal16, KWH16, MT16, SLY16, SDG16, YB11, ZJB16, ZW11]. **Inverses** [XWG10].  
**Irregular** [DW13]. **Isogeometric**  
 [BCPS12, BRSV11]. **Isolated** [LZ12, LZ14].  
**Isometries** [Bar13]. **Isoparametric**  
 [CQS12]. **Isotropic** [EWK13]. **Iteration**  
 [AF16, BR15a, HFL12, Jin15, MRL14, Ney13, PKK<sup>+</sup>15]. **Iterations** [WN11].  
**Iterative** [Bar12, DW12, GLZ15, HK16, NA15, PL10, PBL15, Sun11, Wan15, ZCY12].  
**Iteratively** [LXY13].  
**Jacobi** [HFL12, JS13, SS14, WR11, CS12b, GB10, LR12, ZWX13]. **Joseph**  
 [CGH<sup>+</sup>10, SZ13]. **Jump**  
 [Eng15, KL11, WSD15]. **Jump-diffusion**  
 [KL11]. **Jump-Sparse** [WSD15].  
**Kaczmarz** [MRL14]. **Kalman** [HLT16].  
**KdV** [AGK<sup>+</sup>11]. **Kernel**  
 [FHN<sup>+</sup>13, GRZ15, HN11]. **Kernels**  
 [FHW12, FW12b, YG15]. **Kinematically**  
 [BM16]. **Kinetic** [AKP14, AN10, DP11, DP13, JLQX14, LLS16, LM10, RT16].  
**Kinetics** [Eng15, FS11]. **Kirchhoff**  
 [Bar13, BSZZ13, Gud12, HHX11]. **Klein**  
 [BCZ14]. **Kohn** [LWW<sup>+</sup>15]. **Korteweg**  
 [DKR15, FS14, NV14]. **Krause** [BO16].  
**Krylov** [DKS11, GG13, HS15, MN11, SV10].  
**Kutta** [BR13, BEF10, CH16, CCKW15, DP11, DP13, HMKV13, HPS13, HP15, Kay10, KGM11, KMR13, KLP14, Li10, LL15, MST11, Röß10, SG15, TYK14, ZS10a,

ZSZ15].

**Lagrange** [BB12, BB13, BdSS13, BCG15, GMM12, GNPY14, GP16a, Loi13, MW12, Tak13, ZCY12]. **Lagrangian** [BO11, CS14, CDM13, PKK<sup>+</sup>15, RSY12, WW10a]. **Lanczos** [Ye13]. **Landau** [BMO11, GLS14, Gao14]. **Landweber** [Jin15, MRL14]. **Langevin** [AVZ15]. **Laplace** [LR15, LR16, LLS13, Sch16, WCH10]. **Laplacian** [DLM13, BCKZ13, BDS15, HO14, LO13a, LCG<sup>+</sup>10, SU12]. **Large** [BH11, Bar13, FW14, GO12, LMS13, LAFS16]. **Larman** [HNSV13]. **Lattice** [AKP14, Mir14, TT10]. **Lattices** [ALS13, Käm13, Rat16]. **Lauricella** [DH11, DTV15]. **Law** [DKS13]. **Laws** [ACG15, CS13, CMS16, CWZ14, FMT12, FS16, GPS16, GMP15, GU10a, GU10b, Gos14, HLY13, LY11, LAFS16, MZ16, MSZW13, MT11, Ren15, Ren16, SNSM13, ZM16, ZS10b, ZS10a, ZH15]. **Layer** [CZ10c, CW13, DGHP16, DK14, EGK13]. **Layered** [CZ10c]. **Layers** [Kal12]. **Leading** [LM11a]. **Leak** [Kas13]. **Leap** [GLMV16]. **Leap-Frog** [GLMV16]. **Leaping** [AHS14b, Rat16]. **Learning** [PM14]. **Least** [ACSW12, ACSW14, BCG<sup>+</sup>10, BMS14c, BMS14b, BPS11, CK10, CK11, CP15, CGT15, CCL<sup>+</sup>14, HDVV10, Hes15, IKP11, Ku11a, Ku11b, LXY13, LMM<sup>+</sup>13, MS12, PST15, SSS11, Wan14]. **Least-Squares** [BCG<sup>+</sup>10, BPS11, CK11, CGT15, CCL<sup>+</sup>14, Ku11a, Ku11b, CK10, PST15]. **Leffler** [Gar15, MN11]. **Legendre** [CHYL11, LMS13, SWG14]. **Lehmann** [Ovt11]. **Leja** [BDSV10]. **Level** [CKW13, Han13, HMP14, LC15, Reu13]. **Levels** [AR10a]. **Lévy** [DKS16, DHP13]. **Lie** [AVZ15]. **Lifshitz** [Gao14]. **Like** [DKS13, MO14, SLY16]. **Limit** [AAN11, BCZ14, BCJT16, BMR12, BCCHV14, Car13, CCF14, GK10, JW13, LM10]. **Limited**

[BH12, Die14, XB13, Xia16]. **Linear** [AR10b, AT16, BR15a, BKT13, BBM13, BDdSM13, BDSV10, BMV12, BGyS12, BK10, BEF10, CZZ14, CR12, Cha14, CS10, Cim12, CLS13, CBHW13, CvN10, DEM15, DP12, GKR13, GT15, GT16, GG11, GK13, HKLN16, HY13, HL10, Hla14, HP15, HS16, Hu15, HKL16, JLQX14, JML13, JJLW16, Kim11, KB12, KLS10, LM13a, LH12, ILzSsS10, LM10, MST11, MNP12, Mor16, Nor15, OHBNX15, QD11, SW16, Seg10, SSS11, TYK11, TD13, TYK14, Wan15, WCH10, YS13, YH16, ZTRK15, ZD10, EWK13, WZ12]. **Linear-Quadratic** [HL10, LH12, SW16]. **Linearized** [BO11, GLS14, Gao14, GU10a, GU10b, LS14]. **Linearly** [PC16]. **Lines** [CCCS16]. **Liouville** [WY11]. **Lipschitz** [TZ13b]. **Liquid** [AAEM15, GR15]. **LL\*** [CFZ15]. **Lloyd** [BR15b]. **Lobatto** [Xu11]. **Local** [ABPV12, BV10, BCL16, BDS12, BS16, CK11, CEM13, CX10, CS10, Dem10, DL11, DLT13, EGK13, GWW14, GB10, HY13, HL10, Kno10, KS12, LH12, LM13b, RU13, WWS15, XS12, Mor16, ASW10]. **Localized** [FHN<sup>+</sup>13]. **Locally** [CS13, FR14, HS16, TZ13b]. **Locating** [Han11]. **Location** [BR15b]. **Locking** [BMCs10, ORB16]. **Locking-Free** [ORB16]. **Long** [AVZ15, AP16a, BCGS10, BRO10, CGSW13, CW13, CW16, FJK13, GTW<sup>+</sup>12, LTT13]. **Long-Run** [BRO10]. **Long-Term** [BCGS10, FJK13]. **Long-Time** [CGSW13, CW13]. **Low** [AZC14, BD16a, BO15, KLW16, RW11]. **Low-Memory** [AZC14]. **Low-Rank** [BD16a, KLW16]. **Lower** [GY16, HS13]. **Lowest** [BMS14c, HHZ11]. **Lowest-Order** [BMS14c]. **Lyapunov** [DKS11, SMSF15]. **Lyapunov-Type** [SMSF15]. **MAC** [EGHL10]. **Magnetic** [FR16]. **Magnetostatic** [RBGV13]. **Manakov**

- [Gaz14]. **Manifold** [GY16, PM14].  
**Manifolds** [MGGJ13, Moo16]. **Mapped** [AP16c]. **Mapping** [ZF16, Zul15].  
**Mappings** [NA15]. **Maps** [KW14a].  
**Marching** [CFM11, CFH13, Mir14, WSZ15].  
**Marking** [BET11]. **Markov**  
[And13, AZC14, JML13, Rat16]. **MARS**  
[ZF16]. **Maruyama** [PS16]. **Mass**  
[CGJ13, DE11, FN13, FS11, GWW14,  
Grü13, LR13, NR12]. **Mass-Corrections**  
[GWW14]. **Mass-Preserving** [NR12].  
**Matched** [CZ10c, CW13, DK14, Kal12].  
**Matching** [BCKZ13, MT16]. **Material**  
[BK12, Cim12]. **Materials**  
[CZAL10, HLS13, KP12, LCYC15].  
**Mathematical** [ZD10]. **Matrices**  
[AF16, CS11, MV14, WL14]. **Matrix**  
[BR15a, BRD15, Che11a, CD12, MV14,  
MN11, WW10c, Ye13]. **Maximal**  
[HMKV13]. **Maximum**  
[Cla13, DL11, GNPY14, KL13, Kop15,  
Luc11, Mir16, Ran13, WZ12].  
**Maximum-Norm** [Kop15, Luc11].  
**Maxwell** [BC12a, CHWG15, CZAL10,  
CLL10, CGLM14, CWZ14, FW14, HP15,  
HS16, Ver12, ZHZ<sup>+14</sup>]. **Mean**  
[ACD10, ACCD13, AP16b, CS14, HLZ15,  
TZ13b, VH14]. **Mean-Square** [TZ13b].  
**Measure** [AVZ14, BBE11, BES12, D'A12].  
**Measure-Theoretic** [BBE11]. **Measures**  
[MST10]. **Media** [CZAL13, CZ10c, DAA13,  
Kal12, KS13, LS13a, RL15, SS13a, WSS14].  
**Medium** [KPR13, LS15]. **Membranes**  
[CGJ13]. **Memory** [AZC14]. **Mesh**  
[ABSV11, BNP10, BY12, Era13, GH12,  
HJHUT14, KH14, LA11a, LA11b, VH14].  
**Mesh-Independent** [HJHUT14]. **Meshes**  
[AR10a, ACCE10, ABMV14, ABSV16,  
BCL16, BLM10, BLM11, CFH13, CK16,  
CDGQ10, DER14, DO12, Hu15, HKL16,  
Kop15, KM12a, LYZ15, LL13, MJKR11,  
OHBNX15, DDE15, RW13, SSW13a,  
WW10b, WL16, ZLY16]. **Meshfree**  
[BSO12, SW12]. **Mesoscale** [TT10].  
**Method** [ALS13, AP16a, ACCD13, AP16c,  
AC10, And13, ABSV16, ABPV12, AHPV13,  
AW10b, ASW10, BCZ14, BC14, BCJT16,  
Bea15, BMS10, BBK15, BG11, BB12, BB13,  
BdSS13, Bie11, BPP15, BCG15, BG14b,  
BN10, BCM10, BMCS10, BFH14, BBE11,  
BN11, BGGyS12, BSZZ13, BRK14, BFK16,  
BTG12, BTDG13, Bur12, CK10, CGOT16,  
CZAL10, CZAL13, CFM11, CFH13, CGR12,  
CCCS16, CF12, CDMP16, CZ10c, CHYL11,  
CGHW11, CLX13, CW13, CX13, CQR13b,  
CLP12, CH13, CKW13, CCF14, Cim12,  
CDGQ10, CLS13, Col10, CBHW13, CM10,  
DHH13, DG11, DH13a, Dem10, DO12,  
DH11, DH13b, DFW15, DGGQ16, DE11,  
DGS13, DLTZ13, DLT13, DLT16, DHP13,  
DAA13, DE13, ELS15, EGMP13, Era12,  
Era13, FW13a, FHM16, FKMP13, FW14,  
FR14, GR15, GHM10, GG13, GR16, GH10,  
Gud12, GB10, HSW13, HDVV10]. **Method**  
[HY13, HN11, HY12, mHLZ16, Hes15, HP14,  
HLM13, Hla14, HS16, HHX11, IWY10,  
JMN14, JP10, JWX14, JLW16, JDZY16,  
JLZ13, JW13, JLPZ14, JLZ16, JN15, JZ12,  
KK10, KW14a, Kas13, KW16, KPK11,  
KCL13, KZ15, KM12a, KFJ16, KWC10,  
Kwo11, KL11, LLS13, Lee15, LMS13, LT13,  
LGS14, LC15, LQT16, LS13b, LY12, LM13b,  
LM14a, LX14b, Loi13, LM14b, LY13,  
MMT16, Mas15a, Mas15b, Mas13, MNQ13,  
MBMS11, MM13b, MAF14, OR14, ORX14,  
OBLS14, OHBNX15, PL10, PV16, DDE15,  
PC16, QTX15, QD11, RL13, Ren15, Reu13,  
RT16, RW11, RP13, RL15, SSZ11, SW12,  
Seg10, Sel10, SZ13, SWG14, SSS11, SU12,  
Ste13, Tak15, Tak13, WW13, WBN16,  
WW10a, Wan14, WBL<sup>+15</sup>, Wel11, WCK15,  
WR11, WY11, mXqW10, XH14, YB11,  
YS13, YH16, YG15, ZM16, ZLL<sup>+14</sup>, ZS10a,  
ZG12, ZCY12, ZZY13]. **Method**  
[ZWGB15, ZJB16, ZW11, Zul15]. **Methods**  
[AVZ15, ACD10, AR14, ADM<sup>+15</sup>, AL14,  
BD16a, BCE14, BR15a, BC12b, BV10,  
BM11, BET11, BCL16, BKT13, BCPS12,

BPS11, BDN13, BD16b, BS15, BHX10, BK10, BHBN14, CWZ10, CYZ11, CK11, CHWG15, CGJ13, CZZ14, CZZ15, CSYZ15, CHP13, Car13, CPS13, CDG14, CP15, CGT15, CST13, CCL<sup>+</sup>14, CET<sup>+</sup>16, CLL10, CX10, Che10, CCWX11, CG12b, CGSW13, CGLM14, CCKW15, CWZ14, CQS12, CGS13c, CZ13, CHL12, CY10, DHSW13, DER14, DG13, DTV15, DP11, DP13, DP12, DKS11, ERW14, Eng15, EP16, Erv13, FS14, FLX16, FR16, GX14, GH15, GL15, GLV11, GLMV16, GF12, GPV13, GRZ15, GMR15, HMKV13, HKLN16, HS15, HMP11, HJJ<sup>+</sup>13, HP15, HK16, HLS13, HH10b, HO14, HKL16, JV15, JS13, KS14, KGM11, KMR13, KLP14, KP10, Kim11, KSU14, KRR15]. **Methods** [KSS12, KSW14, KS13, Ku11a, Ku11b, KSS13, Kwa12, LTT13, Lee13, LH12, Li10, LL15, LX16, LW16, LB13, LB16, LLZ15, Liu11, LMM<sup>+</sup>13, Liu13b, LCG<sup>+</sup>10, LQB14, LL13, Mac15, MST11, MW12, MSZW13, MB16, MN11, NA15, NT16, NS10, OP12, OZ13, OS13, ORB16, PW14, PF13, Pet10, Pet11, Pot16, RG16, Röß10, SV10, SG15, SZ15, SVZ12, SK13, Sch11, SLY16, SV15, Sun11, TZ13a, TV16, Tha13, TYK11, TYK14, TD15, Ver12, WHIC10, WL11, Wan15, WSZ15, WL16, Wil14, WR12, WW10c, XQ10, XS12, Ye13, Zha13a, ZZK15, ZTRK15, ZLB16, ZSZ15, ZHZ<sup>+</sup>14, ZH15, Jin11]. **MHD** [CK16]. **Microscale** [TT10]. **Midpoint** [BMS14a]. **Mimetic** [ABLV13, BLM10, BLM11]. **Mindlin** [BCLP10, HH10b, Lee13, Lee15, LMR10]. **Minimal** [HNSV13, Mir16]. **Minimization** [AAEM15, Bar12, BC10, GLZ15, LXY13, Woj12]. **Minimum** [BDS12]. **Miscible** [LS13a, RW11, WSS14]. **MITC** [BNS13, BCLP10]. **Mittag** [Gar15, MN11]. **Mittag-Leffler** [Gar15, MN11]. **Mixed** [ABW15, AHPV13, AX13, AL14, BCE14, BG11, BPS12, BP10, BRK14, BFK16, CWZ10, CZ10b, CGOT16, CKP11, CGR12, CDMP16, CGL<sup>+</sup>10, DHH13, DFW15, DH15b, EV15, Erv13, FW13a, FLX16, GHM10, GG11, HJJ<sup>+</sup>13, HJKR16, Hu15, HHX11, IWY10, KP10, Kim11, KSS12, KPR13, Kwa12, LS13a, MMR13, MNP12, QTX15, QD11, Sch11, UU16, VV14, WSS14, ZZLB13]. **Mixtures** [AT16, EJK10]. **Mobility** [RG16]. **Model** [AAEM15, AZC14, AN10, BOS10, CPS13, CS12a, CLJ<sup>+</sup>16, EJK10, FH10, FW12a, KV10, LM13a, LY12, Luc11, MKW14, NR12, OZ13, PM14, QTX15, RGMP16, RP13, RSY12, Sch11, SY12, WW11b]. **Modeling** [BCGS10, CRR16, Fis15, GR15]. **Modelling** [DH15a]. **Models** [AZC14, DTZ13, GRT14, Grü13, HJKR16, KL11, RT16, SY15, Sin14, TD14, ZD10]. **Modification** [BNP10]. **Modified** [BLWW13, BDdSM13, BdSS13, BFK16, DE11, FR14, HLY13, LY11, MS14, SSS11, WW11a]. **Module** [XWG10]. **Molecular** [QTX15]. **Moment** [Hag11]. **Moments** [Rat16, TT15]. **Momentum** [KW14a, SSS11]. **Monge** [FO11, FO13]. **Monotone** [Arà13, FS16, PL10, Wan15]. **Monotony** [ACCE10]. **Monte** [JML13, AHS14b, AHS16, AKP14, BFRS16, CST13, Dic11, GSY16, HW15, KSW14, KSS13, WCK15]. **Moore** [XWG10]. **Mortar** [AX13, HH10a, PVWW13]. **Motion** [BCM10]. **Moving** [Bea15, FW13a, GL15]. **Multidimensional** [BG14b, MT11, NT16]. **MultiFrequency** [BLRX15]. **Multigrid** [ASV15, DP12, HVX13, SSZ11, TZ13a, Tak15]. **Multilevel** [AHS14b, AHS16, BG14a, BFRS16, BCKZ13, CST13, CX10, CCWX11, DKGS16, Git13, HLT16, KSW14, SVZ12, Wil14]. **Multilinear** [GMR15]. **Multinumerics** [PVWW13]. **Multipenalty** [FNP14]. **Multiphase** [BV16]. **Multiple** [DH15b, GPS16, MV14, SLY16, WW10a, ZZY13]. **Multiplicative** [ACLW16, LK16, ZTRK15]. **Multiplier** [BCG15, Loi13, Tak13, WBN16, ZCY12].

- Multiplier/Fictitious** [Tak13].  
**Multipliers** [HY13, JJLW16, MW12, YH16].  
**Multipoint** [IWY10, Pet10, Pet11, Ste13].  
**Multipressure** [CCM10]. **Multiresolution** [HKS11]. **Multiscale**  
[AP16a, AHPV13, AX13, BCZ14, BCJT16,  
CZAL10, CZAL13, ELS15, EGMP13,  
FW13b, GRZ15, KFJ16, LSW10, LCY13,  
LCYC15, Mac15, PVWW13]. **Multistep**  
[Cha14, GF12, HKLN16, SWG14, TYK11,  
ZZJ10, CW16]. **Multivariate**  
[BDSV10, HM14]. **Muskhelishvili** [DH13b].
- n** [PS16]. **Natural** [BHH10]. **Navier**  
[ABPV12, BCGS10, Bea15, BO11, BdSS13,  
BRY15, CWZ10, CGOT16, CP13, CELR11,  
CW16, DJY14, Dör12, FHM16, Fis15,  
GTW<sup>+</sup>12, LOR11, Svä16, YDG10]. **Nearly**  
[OHBNX15]. **Nearly-Incompressible**  
[OHBNX15]. **Nematic** [AAEM15]. **Nets**  
[Dic11]. **Neumann** [GLL11, JML13, XQ10].  
**Neutral** [BCCHV14, Mas15a, Mas15b,  
TYK11, TYK14]. **Newton** [Che11a, CG12b,  
GR15, HDVV10, HMP15, Jin11, Jin15,  
LK16, Pot16, SV10, SLY16, WCK15].  
**Newton-Like** [SLY16]. **Newton-Type**  
[Jin11, Pot16]. **Newtonian** [CHP10].  
**NICEM** [JMN14]. **Nicolson**  
[AF12, BKM13, GLS14, LGS14, ZLL<sup>+</sup>14,  
nZzSwW11]. **Nicolson-Type** [nZzSwW11].  
**Nitsche** [Bur12, CH13, LR13].  
**Nitsche-Based** [CH13]. **Nitsche-Type**  
[Bur12]. **Nodal** [BC12a, BLM11].  
**Nodal-based** [BC12a]. **Nodes** [AR10a].  
**Noise** [AHS16, ACLW16, DKS16, DHP13,  
HW14, Jen11, KWH16, KLS10, ZTRK15].  
**Noisy** [Che11b, PST15, Woj12].  
**Nonaligned** [SVZ12]. **Nonasymptotic**  
[DDD<sup>+</sup>14]. **Noncoercive** [GU14].  
**Nonconforming** [AC12, BMS10, BM11,  
BTG12, CZ10b, CR12, CL15, EV15, GG11,  
KK10, KWC10, MNQ13, OP12, TD15].  
**Nonconservative** [CFMP13].  
**NonConstant** [BBHS14]. **Noncontractive**  
[OS13]. **Nonconvergent** [KH14].  
**Nonconvex** [BY12, KS12]. **Nondivergence**  
[SS13b]. **Nondominated** [CEH15].  
**Nonequispaced** [DKP10]. **Nonlinear**  
[Akr15, ABS15, AN10, BC12b, BC14,  
BCG<sup>+</sup>10, BJK10, BCL13, CK10, Car13,  
CGT15, CF12, CS12a, CCWX11, DDD<sup>+</sup>14,  
DP13, DEV13, Ebn14, FFP14, GNPY14,  
GP16a, HVC15, HVX13, IKP11, Jin11, KP10,  
LR14, LS14, LGS14, LW16, LY12, Liu13a,  
MSZW13, Mur14, PL10, SY12, SWG14,  
Tha13, ZM16, ZLL<sup>+</sup>14, ZJB16, ZZLB13].  
**Nonlinearities** [DK13]. **Nonlinearity**  
[ZZY13]. **Nonlocal**  
[ACG15, AU14, AN10, BMS14a, CLJ<sup>+</sup>16,  
DTZ13, DY16, Gud12, PLR11, TD13, TD14,  
TD15, WW11b, ZD10]. **Nonoscillatory**  
[CGS15, FMT12, HLY13]. **Nonoverlapping**  
[LT13, Loi13]. **Nonparametric** [DHRBR12].  
**Nonperiodic** [Huy10]. **Nonrelativistic**  
[BCZ14, BCJT16]. **Nonselfadjoint** [JZ12].  
**Nonsmooth** [CG12b, YG15, Jin15].  
**Nonsolenoidal** [Ing11]. **Nonstandard**  
[AW10a, CHP10, LX16]. **Nonstationary**  
[CF12]. **Nonsymmetric**  
[Bur12, CX10, FFP14]. **Nonuniform**  
[Arà13, GS14, NP16]. **Norm**  
[HS13, KL13, Kop15, Ku11b, Luc11, XWG10].  
**Norm-Estimations** [XWG10]. **Normal**  
[MV14]. **Note**  
[JO10, Mac15, SNSM13, Ste11]. **Number**  
[AR10a, BJS13, CLX13, DW15, FW14,  
Loi13, Peñ07, Xia10, ZW13]. **Numerical**  
[AVZ14, ACD10, AKT14, AN10, BCGS10,  
BR15a, BBHJ15, BMR12, BB12, BB13,  
BS14, BKS11, BS11, BV16, BDSV10, BH12,  
BK10, CR15, CS11, CW16, CH13, CBHW13,  
DMP13, DGHP16, Der12, Dic11, Die14,  
ELN13, FHM16, FL16, Gar15, GO12,  
HPS13, HO14, IPP13, JV15, Jen11, KV10,  
KPR13, LMM16, LR15, LR16, LY11,  
MKW14, Mao15, MZ14, Mas15a, Mas15b,  
MST10, NT16, PLR11, RWJG13, RGV13,  
SMSF15, SVD14, Svä16, WL14, WR11,

- YZ11, ZD10, ZZLB13]. **Numerically** [Lee13]. **Numerics** [GL13, LR14]. **Nyström** [DH11, DH13b, ZB15].
- Observation** [MZ13]. **Observations** [FSX13]. **Obstacle** [BSZZ13, MT13, OS16, WR12]. **Obstacles** [Ing11]. **ODEs** [CCKW15, SK13, Seg10]. **Once** [Kal16, TZ13a]. **One** [CS10, D'A12, GL13, HKL16, IPP13, JV15, LZ12, Mac10, MZ13, MGGJ13, MSZW13, SNSM13, SDKS13, Ste11, ZS10b]. **One-** [D'A12, SDKS13]. **One-Dimensional** [GL13, IPP13, JV15, Mac10, MZ13, SNSM13, ZS10b]. **One-Equation** [Ste11]. **One-Manifolds** [MGGJ13]. **One-Step** [HKL16]. **Online** [PM14]. **Open** [HJHUT14]. **Operator** [BC12b, BC14, DDD<sup>+</sup>14, DKG<sup>+</sup>14, DKGS16, GG13, GG10b, HYZ16, HJHUT14, Hla14, OS13, SV10, SDG16, WCH10]. **Operators** [AU14, BS11, BMV12, CEM13, GB10, JZ12, Ket11, LR12, NS10, SV14, Wil14, XQ10, XWG10]. **Optimal** [ANS15, AF12, BG14a, BC14, BMS10, BN10, BR15b, CK10, CG12a, CR12, CL15, CHYL11, CG12b, CQR13a, CDGQ10, DMP13, DP12, DW14, DH15a, FFP14, FPvdZ16, GLS14, Gao14, GSY16, GY16, GLL11, HMP15, HL10, HPS13, HM16, HP14, Kay10, KW14b, KL15, LG11, LH12, LV13, LS13a, LGS14, LYLYM10, LCY13, LCYC15, LL13, MM10, MW12, MT13, Peñ07, SW16, SSZ11, SY12, WW10b, Wan16, Xia10, XS12, YS13, ZX14, ZZK15, ZLY16, Zhe14, Bar14, CGS13b, FKMP13, WW13]. **Optimal-Order** [WW10b]. **Optimality** [BM11, BD16b, CP15, TV16]. **Optimally** [AW10a, GRT14]. **Optimization** [AKGR14, BDdSM13, BBS16, BV16, CGR12, CGT15, GGNV10, OBLS14, RU13, VH14, YH16]. **Optimization-based** [OBLS14]. **Optimized** [GX14, GPV13, HJS13, KZ15, Kwo11, LCG<sup>+</sup>10, Loi13, XQ10]. **Optimizing** [Hag11]. **Option** [KL11]. **Order** [AVZ14, ADM<sup>+</sup>15, AH15, Arà13, ASW10, BLWW13, BG11, BLM11, BB13, BdSS13, BMS14c, BKN13, BD16b, BN11, BGGyS12, BFK16, BH12, BEF10, CFZ15, CS14, CGT15, CC14, CCCS16, CDMP16, Che10, CGSW13, CD14, CW16, CQS12, CZ13, DHSW13, DKG<sup>+</sup>14, DKGS16, DW15, DLT13, DH15b, DK14, DKR15, ELS15, FW13b, FS16, Gaz14, GLMV16, GSS12, GSY16, GT15, GT16, GR16, GNPY14, GP16b, HMKV13, HS16, HHZ11, Jen11, JLZ13, KW16, Kol14, Ku11a, Ku11b, Kwa12, LLS16, Li10, lLzSsS10, LYZ15, LMM<sup>+</sup>13, Liu13a, Liu13b, LQB14, MNP12, MS12, NR12, RWJG13, RW13, SSW13a, SSW13b, Sch11, Seg10, Sel10, SDKS13, Sin14, SSS11, Tha13, WW10b, WZ12, Wan15, WL16, XS12, ZS10b, ZS10a, ZX14, ZLY16, Zhe14, ZH15, BB12, BMS14b, FMT12, GP16a, KL11, SWWW12]. **Order-of-Accuracy** [BH12]. **Ordinary** [Rie14, WBN16]. **Oriented** [CK11, FPvdZ16, BET11]. **Original** [CDGQ10]. **Orlicz** [EWK13]. **Orthogonal** [AR10b, HM14, MT16, Xia12]. **Orthogonality** [BH11]. **Oscillations** [LY11]. **Oscillatory** [AAN11, DGK13, LW16]. **Oseen** [AAEM15]. **Osher** [LM13a, WL11]. **Output** [GU10a]. **Overlap** [GX14]. **Overlapping** [BCPS12, CKW13, DW13, Lee13, Oh13, PF13]. **P1** [HKL16]. **P1-Finite** [HKL16]. **Pantograph** [BHX10]. **Parabolic** [AC10, Akr15, BJK10, BR13, BP10, CCCS16, CF12, CS11, CK14, CvN10, DHP13, DH15b, EWK13, GLV11, GY16, GT15, GT16, HMP15, JLZ13, JLPZ14, KL13, KM12c, LLS13, LV13, LV16b, LC15, LY13, MNP12, MBMS11, NOS16, OS16, PL10, Sin14, TV16, Wal10, ZG12]. **Parallel** [CGHW11, Kwo11, LTX13, MB16]. **Parallelization** [AKP14]. **Parallelotope** [MGGJ13]. **Parameter** [AABR13, And13,

- BPP15, FNP14, Gar15, JL10, PST15, SK13]. **Parameter-Choice** [JL10]. **Parameter-Dependent** [SK13]. **Parameter-Free** [BPP15]. **Parameterizations** [HVC15]. **Parameterize** [RL13]. **Parameters** [CLJ<sup>+</sup>16]. **Parametric** [BMK10, BGN16, DKG<sup>+</sup>14, DKGS16, FR14, SL15]. **Parametrized** [HSW13]. **Parareal** [CET<sup>+</sup>16]. **Parasitism** [BHHN14]. **Part** [BB12, BB13, ELS15, GU10a, GU10b, GT15, GT16, JDZY16, LR16, LSZ11, LA11a, LA11b, Mas15a, Mas15b, ZW13]. **Partial** [AP16b, CFZ15, Cha12, CQR13b, CRR16, DER14, DHP13, FO13, GR16, KSS13, TZ13a, WBN16, ZG12]. **Partially** [LLZ15]. **Particle** [CLP12, FR16, JW13, PW14, PC16]. **Particle-In-Cell** [FR16]. **Partition** [LX14b]. **Partitioned** [GGNV10, KMR13, LTT13, MST11, SZ13]. **Past** [BMO11]. **Path** [BFRS16]. **Paths** [GL11, GL12]. **Pathwise** [Gaz14, Jen11]. **PDE** [BBS16, BJK10, BEF10, CEH15, Git13, KV10, NOS16]. **PDE-based** [CEH15]. **PDE-Constrained** [BBS16]. **PDEs** [BPS12, Bré13, CST13, CLP12, CK14, CDS10, GL13, LY13, Mir16, OR14, Sin14, ZX14]. **Peaceman** [HH13]. **Pebble** [Tak13]. **Peer** [SK13]. **Penalization** [BCM10]. **Penalized** [LLZ15]. **Penalty** [BFH14, BN11, BGGyS12, BSZZ13, Bur12, DLM13, FLX16, GMR15, Jin15, KS14, Liu11, WW13, WR11, WR12]. **Penalty-Factor-Free** [Liu11]. **Penalty-Free** [Bur12]. **Addendum** [GL12]. **Continuum** [OZ13]. **Fictitious** [Tak13]. **Penrose** [XWG10]. **Perfect** [Fis15]. **Perfectly** [CZ10c, CW13, DK14, Kal12]. **Peridynamic** [DTZ13, TD13, ZD10]. **Periodic** [CEM13, HMP15, NS10]. **Perturbation** [BN11, NA15]. **Perturbation-Resilient** [NA15]. **Perturbations** [XWG10]. **Perturbed** [BY12, Kop15, LS13b, ZLY16]. **Petroleum** [SS13a]. **Petrov** [BTDG13, DHSW13, DKG<sup>+</sup>14, DKGS16, JLZ16, JN15, MAF14, YG15, ZZK15]. **Phase** [AT16, BLWW13, EJK10, Grü13, HT16, KS13, LR13, LQT16, SS13a, SY15, WW11a, WY11]. **Phase-Field** [SY15]. **Photoacoustic** [ABGJ13, FKS14]. **Physical** [FHM16]. **Picard** [CGS15, HMP15]. **Piecewise** [AR10b, LM13a]. **Planar** [LM14b, RL13]. **Planck** [LMM16, LY12, SY12]. **Plane** [BMcS10, DW13, HMP11]. **Planewave** [NS10]. **Plasticity** [BMR12, WW11b]. **Plate** [BNS13, BCLP10, HHX11]. **Platen** [BJK16b]. **Plates** [BSZZ13, HH10b, Lee13, Lee15, LMR10]. **POD** [CS12a, Sin14]. **Poincaré** [AKK14, GG10a, SV14]. **Point** [BBHS14, DP12, FSX13, GLZ15, HFL12, LQB14, MM13a, WN11, ZD12, BS15]. **Point-Source** [LQB14]. **Points** [BDSV10, DGK13, GL11, GL12, Loi13, PGvD12, Zha13b]. **Pointwise** [DG13, FN13, Ku11a, LV13, LV16a, LV16b]. **Poisson** [CPS13, CDM13, DGHP16, DG11, EO14a, FR16, FL16, JW13, MST10, PC16, SDKS13]. **Policy** [AF16, HFL12]. **Pollution** [CEM13]. **Polyanalytic** [SVD14]. **Polygonal** [ABMV14, ABSV16, BLM11, FL16, KS12, LO13a, RW13, Zul15]. **Polygons** [HP14, HLM13]. **Polyhedra** [SSW13a, SSW13b]. **Polyhedral** [BLM10, BHH10, KM12a, LV16a]. **Polymer** [FH10]. **Polynomial** [AP16c, EV15, HLY13, JDZY16, LZ12, LZ14, PBL15, Sch16, SVD14, Xia12, Xia16, ZZY13, Zha13b, ELS15]. **Polynomial-Degree-Robust** [EV15]. **Polynomials** [ADGP14, BJS13, CI12, DW14, HM14, JO10, Käm13]. **Polytopes** [FGS14]. **Pool** [NA15]. **Population** [AN10, DHRBR12, MKW14]. **Poroelasticity** [ORB16]. **Porous**

- [DAA13, Ing11, KPR13, LS13a, LS15, RL15, SS13a, WSS14]. **Posed** [KWH16, LA11a, MRL14, MT16]. **Posedness** [KCDQ15]. **Position** [FW13a]. **Positive** [FW12b, Hag11, Wil14]. **Positivity** [FS11]. **Possibly** [FFP14]. **Posteriori** [ALS13, AC10, ABLV13, BG10a, BKM13, BB16, BMO11, BNS13, BBS16, BFH14, BES12, CZ10a, CYZ11, CK11, CKP11, CDG14, CM14, CET<sup>+</sup>16, CZ13, DG13, DEV13, Era13, EV10, EV15, Fis15, GLV11, GLMV16, GMP15, HH10b, KP10, Kim11, KL13, Kop15, Ku11a, KS12, MNP12, PVWW13, SZ15, SW16, WW13, YDG10]. **Postprocessed** [BNS13, LSZ11]. **Postprocessing** [CGL<sup>+</sup>10, MJRK11]. **Potential** [EV10, MT11, PV16]. **Potential-Based** [MT11]. **Potentials** [EGK13, NS10]. **Potts** [WSD15]. **Power** [BR15b, DKS13, YB11]. **Power-Law-Like** [DKS13]. **Preasymptotic** [DW15, ZW13]. **Preconditioned** [BS15, HM16, Hla14, LK16, Ney13]. **Preconditioner** [DGS13, Han13, LX16]. **Preconditioners** [BCLP10, BO11, BCKZ13, HMP15]. **Preconditioning** [AKK14, BDdSM13, DP12, HJHUT14, SV10, Zul15]. **Prediction** [DJY14]. **Premixed** [DDD<sup>+</sup>14]. **Presence** [KLW16]. **Preservation** [Ket11]. **Preserving** [BDS12, BIT13, CCKW15, DP13, DL11, GNPY14, HMKV13, HKLN16, JLQX14, KGM11, KFJ16, LLS16, LW16, LM10, Mir16, MT11, MB16, NR12]. **Pressure** [BB16, BRY15, GWW14, JN15, KLP10]. **Pressure-Correction** [BB16]. **Pressureless** [Col10]. **Pressures** [LT13]. **Pricing** [CRR16, KL11]. **Primal** [KLP10, WW11b]. **Primal-Dual** [WW11b]. **Principle** [BDS12, Cla13, DL11, GH12, GNPY14, Mir16]. **Principles** [WZ12]. **Priori** [ALS13, AP16a, ANS15, ABSV11, BMO11, BPS12, CYZ11, CKP11, Era12, HR13, KP10, KW14b, LV13, MT13, NKK13, WW13, ZS10a]. **Priors** [GH10]. **Probability** [Gaz14, PBL15]. **Probing** [BRD15, CD12]. **Problem** [ANS15, ABMV14, ABSV11, BG10a, BHHS15, BC12a, BG11, BLM10, BBHS14, BO11, BV16, BMcS10, BN11, BSZZ13, CS14, CKP11, CR12, CGR12, CPS13, CL15, CC13, CH12, DS11, DE11, DLTZ13, DLT16, GHM10, GMM12, GPV13, Gud12, HR13, HNSV13, HK16, IPP13, JDZY16, KCDQ15, KW16, KLP10, KW14b, KL15, LG11, LL11, LYYM10, LMR10, Mac10, MT13, OZ13, OS16, SW12, SU12, SV15, Tak15, VV14, WBL<sup>+</sup>15, ZHS16, ZB15, ZW11, CDMP16]. **Problems** [ACCE10, ABLV13, ADM<sup>+</sup>15, ASV15, AF12, AW10b, AX13, ASW10, AWJ16, AKK14, BD16a, BLRX15, BBM13, BCLP10, BLM11, BSS10, BB12, BB13, BC10, BDN13, BR13, BP10, BR15b, BY12, BS15, BBE11, BGGyS12, BRK14, BFK16, BES12, CK10, CZ10b, CYZ11, CZ12, CF12, CS11, CZ10c, CX10, CHYL11, CG12b, CW13, CQR13a, CH13, CK14, Cim12, Cla13, CQS12, CZ13, CDS10, CM10, CvN10, D'A12, DHH13, DH13a, DG13, Der12, DW12, DW13, DEV13, DP12, DH15b, FW13b, FFP14, FR14, GL15, GLV11, GLMV16, GGNV10, GSS12, GY16, GT15, GT16, GMR15, GLL11, Hal16, HJS13, HMP15, mHLZ16, HL10, HPS13, HS15, HM16, HJJ<sup>+</sup>13, HW14, HHX11, IKP11, JP10, JJLW16, Jin11, Kal16, Kay10, KPK11, KSU14, KWH16, KSS12, KL13, Kop15]. **Problems** [KWC10, Kwa12, LLS13, LR13, LH12, LV13, LV16b, LX16, LS13b, LLZ15, Liu11, LM14a, MRL14, Mas15a, Mas15b, Mas13, MNQ13, MNP12, MO14, MT16, NZ12, NOS16, ORX14, OP12, PKK<sup>+</sup>15, RG16, RBGV13, RU13, Sau10, SZ15, SVZ12, SW16, SSZ11, SSW13a, SSW13b, Sch11, SW10, SLY16, TZ13a, TD15, WYZ14, Wan15, WSZ15, WNPN14, WR12, mXqW10, YB11, YH16,

- ZZK15, ZJB16, ZHZ<sup>+</sup>14, Zul15, dFGAN10].
- Procedures** [GGNV10]. **Process** [BSS10, BG14b, FSX13, GH10]. **Processes** [ABS12, ABS15, Rat16]. **Processor** [AKP14]. **Product** [BKT13]. **Products** [Bac13]. **Profiles** [Ren15, Ren16]. **Programming** [BCHB10]. **Programs** [HY13]. **Projected** [BS14, DLT13]. **Projection** [ABPV12, BV10, Bec11, BKT13, Col10, Kno10, TV16, WW10c]. **Projective** [LLS16]. **Propagation** [AW10a, BTG12, KLP14, MZ13]. **Properties** [FS11, LR15, LR16, LM13b, Wal10, Zul15]. **Provable** [Liu13b]. **Pseudospectra** [GL11, GL12]. **Pseudospectral** [BCZ14, BC14, BCJT16, Hes15, Tha13]. **Pseudostress** [CKP11, CGS13b]. **Pseudostress-velocity** [CKP11]. **Pure** [BB12, BB13, CR12]. **Pursuit** [Fou11, MT16].
- QC** [ALS13]. **QMC** [DKG<sup>+</sup>14, DKGS16]. **Quadratic** [BCHB10, BGGyS12, BSZZ13, BIT13, HY13, HL10, LH12, MZ13, SW16, SL15]. **Quadrature** [ADGP16, BJK10, Hag11, HO14, PR14, Spa14, Xia12, XB13, ZWX13]. **Quadratures** [CS12b]. **Quadrilateral** [LYZ15, LL13]. **Quadrilaterals** [AC12]. **Qualitative** [BV16]. **Quantification** [DS11]. **Quantitative** [BY12]. **Quantity** [CCL<sup>+</sup>14, HZZ11]. **Quantity-of-Interest** [CCL<sup>+</sup>14]. **Quantization** [PW12, Sel10]. **Quasi** [BH11, BMR12, Bar14, BMS10, BM11, BCCHV14, BN10, CG12a, CGS13b, Cim12, DHH13, Dic11, EWK13, FKMP13, GSY16, GT15, GT16, HDVV10, HW15, KSS13, MW12, TV16, VL11, WW13, WZ12, Wan15]. **Quasi-Continuum** [VL11]. **Quasi-Linear** [Cim12, GT15, GT16, Wan15, EWK13, WZ12]. **Quasi-Monte** [Dic11, GSY16, HW15, KSS13]. **Quasi-Neutral** [BCCHV14]. **Quasi-Newton** [HDVV10]. **Quasi-Optimal** [BMS10, BN10, CG12a, MW12, Bar14, CGS13b, FKMP13, WW13]. **Quasi-Optimality** [BM11, TV16]. **Quasi-Orthogonality** [BH11]. **Quasi-reversibility** [DHH13]. **Quasi-Static** [BMR12]. **Quaternionic** [JO10].
- Rachford** [BS15, HH13, HY12]. **Radiation** [KZ15]. **Radiative** [GK10]. **Random** [BPS12, Cha12, CST13, CQR13b, DGHP16, DKG<sup>+</sup>14, Git13, KSS13, LR12, ZG12]. **Randomized** [BG14a, GWW12, HW15]. **Rank** [BD16a, IKP11, Käm13, KLW16]. **Rank-** [Käm13]. **Rank-Deficient** [IKP11]. **Rapid** [CI12]. **Rate** [AWJ16, Bar14, BN10, DHRBR12, FKMP13, HYZ16, HY12, HW15, MPPS10, WMI10]. **Rate-Independent** [Bar14, MPPS10]. **Rates** [CP13, CvN10, EP16, FHW12, FFP14, Git13, HW14, KWH16, XB13, Xia16]. **Ratio** [ABW15]. **Rational** [Bec11, DKS11, GK13, JKK<sup>+</sup>13, KB12, PGvD12, PR14, WMI10, WW10c]. **Raviart** [BMS14c, BMS14b, CGS13a, CGS13c, Oh13, Zul15]. **RBF** [FW13b]. **RC** [AKGR14]. **Reaction** [ABS15, BBHS14, DDD<sup>+</sup>14, GPV13, JN11, Kno10, Kop15, LMV13, LS13b, Luc11, DDE15, Wel11, ZLL<sup>+</sup>14, ZTRK15]. **Reaction-Diffusion** [ABS15, Kop15, LS13b, Luc11]. **Reaction-Dispersion** [BBHS14]. **Reactive** [KPR13]. **Real** [Hla14]. **Rebalanced** [SGMS13]. **Recast** [KL15]. **Reconstructing** [Käm13]. **Reconstruction** [AWJ16, BdL10, EV10, FKS14, TT10, WSD15]. **Reconstructions** [AHS14a, BCL16, KL13]. **Recovered** [KH14]. **Recovery** [CZ10a, CZ10b, NZ12, Reu13, WCH10].

- Recovery-Based** [CZ10b]. **Rectangular** [HZ11, Hu15]. **Recurrences** [MV14]. **Recursive** [BLRX15]. **Red** [LX14b]. **Redistancing** [Reu13]. **Reduced** [AW10a, CQR13b, HSW13, HJKR16, Sin14]. **Reduction** [CS12a, Mir14, PM14]. **Refined** [CM14]. **Refinement** [Ebn14, Era13, Mor16]. **Regime** [BCZ14, BCJT16, DDD<sup>+</sup>14, YZ14]. **REGINN** [MRL14]. **Registration** [LG11]. **Regular** [ZF16]. **Regularity** [KCDQ15, LS15, RW11, TZ13a, XB13, Xia16]. **Regularization** [BNS14, DLTZ13, FNP14, JL10, Kal16, PV16, ZW11]. **Regularized** [ACSW12, BCG<sup>+</sup>10, MT16, ACSW14]. **Reissner** [BCLP10, HH10b, Lee13, Lee15, LMR10]. **Related** [GG10b]. **Relativistic** [LMO12]. **Relaxation** [AKGR14, BR13, HJS13, KV10]. **Reliability** [CGS13a]. **Reliable** [Seg10]. **Remarks** [Pet11]. **Renormalized** [GR15]. **Reproducing** [GRZ15]. **Rescaling** [RT16]. **Residual** [ABPV12, BG10a, BCG<sup>+</sup>10, CZ12, CM14]. **Residual-Based** [BG10a, CM14]. **Residuals** [WCK15]. **Resilient** [NA15]. **Resolvent** [GG10b]. **Resonance** [FS14, Hal16]. **Respect** [MZ14, Sau10]. **Restoration** [Kay10]. **Restricted** [FW12b]. **Restrictions** [JN15]. **Result** [Era12]. **Resultant** [NT16]. **Results** [BB13, BV16, CPS13, CS11, GF12, LV16a, LV16b, Mas15a, Sin14]. **Retarded** [BMV12, MZ14]. **reversibility** [DHH13]. **Reweighted** [LXY13]. **Rham** [RBGV13]. **Rheology** [DKS13]. **Riccati** [BS14, HS14]. **Richards** [BKS11]. **Richardson** [mHLZ16]. **Riesz** [ZLL<sup>+</sup>14]. **Right** [ABSV11, KW14b]. **Right-Hand** [ABSV11, KW14b]. **Rigid** [BCM10]. **Rigorous** [DK13, GL13, LR14]. **Roaming** [GL11, GL12]. **Robin** [CGHW11, CQR13a, CK14, GGNV10, JMN14, KCDQ15, KSS12, LX14b, XQ10]. **Robin-Robin** [GGNV10]. **Robin-type** [LX14b]. **Robust** [AKK14, BMO11, BCLP10, BKS11, CZ12, CR12, DH13a, DEV13, EV15, HK16, PVWW13, SSZ11, Tak15, TD14, WSD15, Wil14, ZB15]. **Rogers** [HNSV13]. **Role** [UU16]. **Root** [HL15, Pet10, Pet11]. **Root-Finding** [Pet10, Pet11]. **Rootfinding** [NT16]. **Roots** [AKT14, PGvD12]. **Rough** [BFRS16, GPS16]. **Roughening** [KV10]. **Rudin** [LM13a, WL11]. **Rules** [DGK13, GSY16, JL10]. **Run** [BRO10]. **Runge** [BR13, BEF10, CH16, CCKW15, DP11, DP13, HMKV13, HPS13, HP15, Kay10, KGM11, KMR13, KLP14, Li10, LL15, MST11, Röß10, SG15, TYK14, ZS10a, ZSZ15]. **Sacker** [Hü10]. **Saddle** [BBHS14, BS15, GLZ15, ZD12]. **Saddle-Point** [BBHS14, BS15]. **Samples** [AHS14a]. **Sampling** [JDZY16, Käm13]. **Satisfying** [LY12, LCS15]. **Scalar** [CZ10a, Cla13, DW13, GPS16, Gos14, GNPY14, GP16a, MZ16, MSZW13, Ren15, Ren16, ZS10b, ZS10a]. **Scale** [BCGS10, LSZ11, NP16]. **Scaling** [JLQX14]. **Scattered** [FW12b]. **Scatterers** [KWB15]. **Scattering** [BS11, CZ10c, CW13, Hal16, HLM13, LMS13, LM11b]. **Scheme** [AP16b, AW10a, ACCE10, BLWW13, BJK16b, BB13, BCCHV14, BdL10, Bré13, BM16, CS14, CC13, CER14, CK16, CR15, CD14, CRR16, Col10, CvN10, DKR15, EGHL10, FF14, Gaz14, Gos14, GTW<sup>+</sup>12, GO12, HH13, KST15, LLS16, LNR11, ILzSsS10, LM10, PKK<sup>+</sup>15, RSY12, SS13a, Svä16, WMI10, WW11a, WL14, ZS10b, nZzSZ12, ZZJ10, DJY14, Kol14, MM14]. **Schemes** [AF12, ABBM11, ABS12, ABS15, AAN11, AN10, BKM13, BB16, BJK16a, BDS12, BJK10, BSO12, BR13, BEF10, CFMP13, CC14, CCCS16, CDM13, Cha14, CS11, CS10,

- CW16, CGS15, CK14, DMP13, DL11, DH15b, Ebn14, ELM15, FKS14, FMT12, FS16, FS11, FO13, GMP15, GG15, Grü13, HLY13, HPS13, JLQX14, KPR13, LYZ15, LAFS16, Liu13a, LCS15, MM10, MZ16, MT11, Moo16, NR12, PS16, Rat16, Rie14, RU13, SDKS13, SWW12, SY15, TD14, TT10, Wal10, WBN16, WW10b, YB11, nZzSwW11].
- Schrödinger** [AAN11, BC12b, BC14, CEM13, Car13, CH16, CH12, IPP13, JW13, ILzSsS10, Liu13a, NS10, Tha13, YZ14, Zhe14].
- Schwarz** [BCPS12, CKW13, DW13, GX14, GH15, GPV13, HJS13, HH14, JMN14, KZ15, Kwo11, LC15, LK16, Loi13, Oh13, XQ10].
- Schwoebel** [SWWW12]. **Scott** [CELR11].
- SDEs** [AVZ14, DKS16, DF12, TZ13b].
- SDFEM** [ZLY16]. **SE** [PS16]. **Search** [GLZ15, ZD12]. **Second** [AH15, ASW10, BLWW13, BB12, BB13, BdSS13, BFK16, CFZ15, CGT15, Che10, CGSW13, CQS12, CZ13, DLT13, DK14, ELS15, FW13b, FS16, GLMV16, GSS12, GNPY14, HS16, KL11, MNP12, SSW13a, SSW13b, Seg10, SWWW12, WZ12].
- Second-Order** [AH15, BFK16, CFZ15, CGT15, CGSW13, CQS12, DLT13, FS16, GNPY14, HS16, SSW13a, KL11, SWWW12].
- Sections** [LR12]. **Seidel** [HNSV13].
- Selection** [AABR13, IKP11, LCS15]. **Self** [HS15, IPP13]. **Self-Adjoint** [HS15, IPP13].
- Sell** [Hü10]. **Semi** [CS14, CDM13, CCKW15, GPS16, LQT16, MM14, PKK<sup>+</sup>15, Rie14, RSY12].
- Semi-discretization** [GPS16].
- Semi-Explicit** [MM14]. **Semi-Implicit** [CCKW15, LQT16, Rie14].
- Semi-Lagrangian** [CS14, CDM13, PKK<sup>+</sup>15, RSY12].
- Semialgebraic** [ZF16]. **Semiclassical** [AAN11, Car13, JW13, YZ14].
- SemiDiscrete** [FS14, Gaz14, JLZ13, XS12].
- Semidiscretization** [CH16]. **Semigroup** [Dör12]. **Semigroups** [GG10b, OS13].
- Semilinear** [ACLW16, Gau15, HH13, KM12c, PL10, ZZY13]. **Semipermeable** [CGJ13]. **Sensing** [Fou11]. **Sensitivities** [And13]. **Sensitivity** [BMK10, BBE11, BES12, SK13]. **Sequences** [BDdSM13]. **Series** [GG10b, LR14, LO13b]. **Set** [DH15a, HVC15, Reu13].
- Set-Parameterizations** [HVC15].
- Set-Valued** [HVC15]. **Sets** [ZF16]. **Setting** [EV15, KL15]. **Several** [ACG15, CCM10, Han11]. **Shadowing** [Wan14]. **Shallow** [BdL10]. **Sham** [LWW<sup>+</sup>15]. **Shape** [BV16, Cim12, LO13a, MM10]. **Sharp** [BH11, Ku11b, LM14b, OZ13, XWG10, ZXW13]. **Shaw** [FW12a, FLX16]. **Shear** [BMcS10]. **Shearlet** [HKS11]. **Sherman** [DH11, DTV15]. **Shift** [NP16]. **Shifted** [YB11]. **Shifted-Inverse** [YB11]. **Shishkin** [ZLY16]. **Shock** [CER14, Ren15, Ren16, ZM16]. **Shocks** [SNSM13]. **Shrinking** [ZD12]. **SIAC** [MJRK11]. **Side** [ABSV11, KW14b]. **Sided** [SV14]. **Sign** [CCKW15]. **Signals** [Che11b].
- Signorini** [DE11, DH15a, HR13]. **Similar** [SV14]. **Similarities** [HDVV10]. **Simple** [JO10, Liu13b]. **Simplices** [CS12b].
- Simplicial** [CH12]. **Simulation** [HT16, Mao15]. **Sine** [BC14]. **Singular** [BC12a, BN11, CS12b, KLW16, LZ12, LZ14, LM11a, Mac10, PWZ13]. **Singularities** [AR14, DGK13, ERW14]. **Singularly** [BY12, Kop15, LS13b, ZLY16]. **Size** [DHRBR12, HKLN16, LQT16, PW14].
- Size-Structured** [DHRBR12]. **Sizes** [Ket11]. **Skeel** [Xia10, Peñ07]. **Skeletal** [DDE15]. **Skew** [Der12, GO12].
- Skew-Symmetric** [Der12, GO12]. **Slow** [AGK<sup>+</sup>11]. **Small** [AHS16, BMR12, Han11, KLW16].
- Small-Strain** [BMR12]. **Smoluchowski** [BMK10]. **Smooth** [DK13, FHM16, GSY16, LM11a, PST15, YG15]. **Smoothed** [LXY13]. **Smoothing**

- [BG10b, CG12b, WL11]. **Smoothness** [Die14, MJRK11]. **Smoothness-Increasing** [MJRK11]. **Sobolev** [AU14, BD16a, FW12b, GG10a, LSW10].
- Soil** [BKS11]. **Solid** [GMM12, Ing11, KSU14]. **Solution** [Bar12, BS14, BKS11, DGHP16, Der12, FL16, HM16, HK16, LMM16, Mas15a, Mas15b, RBGV13, SVD14, WR11, WR12, ZB15].
- Solutions** [AP16b, BC12a, CMS16, CLP12, FO11, GU10a, GU10b, HL10, IPP13, KM12c, LV16b, LY11, LZ12, LZ14, MJRK11, Röß10, Seg10, YB13, YZ11, ZZY13, ZH15].
- Solve** [CHP13]. **Solver** [CG12a]. **Solvers** [BHHS15, FO11, JML13, LL11, ZX14].
- Solving** [BR15a, DHH13, DJY14, DKS11, GL10, Hla14, JWX14, KPK11, KST15, LW16, OR14, WHIC10, WY11, ZZJ10].
- Some** [FS11, Jin11, RT16]. **Sorting** [CEH15]. **Source** [BLRX15, CX13, Luc11, LQB14, Ver12].
- Space** [ACG15, AX13, CF12, CCM10, CS12a, CD14, CLJ<sup>+</sup>16, CS10, DW13, DHP13, DH15b, DK14, GRZ15, Hal16, HS15, HJJ<sup>+</sup>13, HJKR16, JLPZ14, KRR15, LC15, MZ16, MSZW13, MPPS10, NOS16, OR14, ORX14, WW10a, WYZ14, ZLL<sup>+</sup>14].
- Space-Fractional** [JLPZ14, WYZ14, CLJ<sup>+</sup>16]. **Space-Time** [HJKR16, MZ16, NOS16]. **Spaced** [JDZY16]. **Spaces** [AU14, BD16a, BG14a, D'A12, ELS15, EWK13, FL16, FHN<sup>+</sup>13, Jin15, LSW10, MRL14, WNPN14].
- Spacetimes** [LMO12]. **Spanning** [DS10].
- Sparse** [Bie11, CS11, Git13, JDZY16, KM12b, PH16, SW10, WSD15, Yin09, ZWGB15].
- Sparse-Grid** [ZWGB15]. **Spatial** [JKK<sup>+</sup>13]. **Spatially** [KMR13]. **SPDEs** [BJK16b, Bie11, Jen11]. **Special** [CDGQ10].
- spectra** [Hü10]. **Spectral** [AW10a, BMS14a, BTG12, CEM13, CHYL11, DY16, IPP13, LMS13, LTX13, LX14a, LQT16, LM11a, LY13, MMR13, SW10, SY12, SWG14, mXqW10, XQ10, ZLL<sup>+</sup>14, Zha13b, ZZK15, ZH15].
- Spectral-Finite** [AW10a].
- Spectral-Galerkin** [SY12].
- Spectral-Subdomain** [LTX13]. **Sphere** [ACSW10, ACSW12, ACSW14, FHN<sup>+</sup>13, LSW10, PST15]. **Spheres** [KW14a].
- Spherical** [ACSW10, ACSW12, ACSW14, FKS14, LCG<sup>+</sup>10, Mac10]. **Spline** [DTV15, FL16]. **Splines** [BG10b, Mor16].
- Split** [Eng15]. **Split-Step** [Eng15].
- Splitting** [AVZ15, BR15a, BLWW13, BS15, CHWG15, CHP13, Car13, CLL10, CvN10, DDD<sup>+</sup>14, Dör12, DW14, EO14a, EO14b, GHS14, HYZ16, HS14, HLS13, Liu13a, OS13, PV16, SWWW12, SGMS13, Tha13].
- Spontaneous** [BGN16]. **Spurious** [FS14].
- Square** [TZ13b]. **Squares** [ACSW12, ACSW14, BCG<sup>+</sup>10, BMS14c, BMS14b, BPS11, CK11, CP15, CGT15, CCL<sup>+</sup>14, HDVV10, Hes15, IKP11, Ku11a, Ku11b, LXY13, LMM<sup>+</sup>13, MS12, SSS11, Wan14, CK10, PST15]. **Stability** [AHS14a, Akr15, ABS12, BCGS10, BCE14, BKN13, BK10, BM16, CR15, CW13, CW16, Der12, DEM15, DH11, DH13b, DK14, GF12, GTW<sup>+</sup>12, GO12, HMKV13, HKLN16, HN11, HKL16, KGM11, Ket11, LTT13, LL11, LM14b, Mao15, MST11, NV14, OS13, PF13, QD11, Ren16, SSW13a, TYK11, TYK14, WSZ15, ZS10a, ZHS16, GT15, Kal12].
- Stabilization** [ABW15, BEF10, BS16, EG13, ELN13, Kno10, LQT16, dFGAN10].
- Stabilized** [AABR13, BCE14, BV10, BBHS14, BPP15, BC10, CELR11, GG15, HLZ15, JN15, SV15, Wel11]. **Stable** [CFMP13, CC14, CCCS16, CK16, FN13, FW14, FR16, FMT12, GRT14, HK16, HVC15, KM12b, Nor16, PGvD12, SY15, Ste11, WW11a, XWG10, ZZJ10]. **Stage** [CET<sup>+</sup>16]. **Staggered** [CKW13, CCF14, GF12, KCL13, KFJ16, OHBNX15].
- Standard** [BCL16]. **Star** [GWW12]. **State** [AZC14, AWJ16, CS12a, CG12b, CCKW15,

- HMP14, HM16, LYMM10, MKW14].
- State-Dependent** [MKW14]. **Static** [BMR12]. **Stationarity** [PW12].
- Stationary** [CWZ10, DGK13, LM14a, MST10, Ren15, SNSM13, YZ11]. **Steady** [AWJ16, BLM10, CCKW15, DKS13, Ren16].
- Steady-State** [AWJ16]. **Steepest** [KV10, Ney13]. **Steepest-Descent** [KV10].
- Stehfest** [Kuz13]. **Steklov** [CZAL13].
- Stemming** [MV14]. **Stencils** [Mir16]. **Step** [AC10, Eng15, HKLN16, HKL16, JN15, Ket11, LAFS16, Pot16, SK13, ZSZ15, KGM11]. **Stepping** [CC13, CK14, CHL12, GS11, HJS13, SMSF15, SZ13, Wal10, Wal14b]. **Stepsize** [HYZ16]. **Stiff** [CCKW15, DP11, KPK11, LL15, LO13b].
- Stiffness** [MZ14]. **Stochastic** [AHS16, ACLW16, BMK10, BPS12, BJ13, BG14b, BRO10, Bré13, BK10, CP13, CHP13, CQR13a, CH16, CLS13, CvN10, Dör12, DHP13, Ebn14, Eng15, Gaz14, GPS16, GLL11, HZZ11, KSW14, KLS10, Liu13a, Luc11, Mao15, PW14, PS16, Röß10, TT10, YDG10, YZ11, ZG12, ZTRK15, ZZJ10, ZJB16]. **Stokes** [FHM16, ABMV14, ABPV12, BG10a, BHHS15, BCGS10, Bea15, BM11, BLM10, BBDR12, BO11, BdSS13, BRY15, CWZ10, CGOT16, CGH<sup>+</sup>10, CP13, CHP13, CKP11, CGS13b, CELR11, CHYL11, CGHW11, CGSW13, CW16, CY10, DJY14, DFW15, DGGQ16, Dör12, EGHL10, FN13, Fis15, GG15, GTW<sup>+</sup>12, Hes15, JN15, KK10, Kas13, KW16, KLP10, KCL13, KM12a, LOR11, LL11, LT13, Liu11, LMM<sup>+</sup>13, Liu13b, LM14a, MS12, SZ13, SV15, Svä16, Tak15, Tak13, TL15, YDG10].
- Strain** [BMR12, BMcS10]. **Strang** [EO14a, EO14b]. **Strategies** [FNP14, PST15]. **Stream** [ABMV14].
- Streamline** [AKK14]. **Stress** [Gra15, Kim11]. **Strict** [Peñ07, Xia10].
- Strong** [BC10, CMS16, Cha12, CWZ14, Eng15, FR16, HMKV13, HKLN16, Hag11, KGM11, Ket11, Röß10]. **Structure** [Bac13, BKT13, BM16, GGNV10, KL15, RGMP16, SG15]. **Structured** [DHRBR12, MKW14, MJRK11, Mor16].
- Structures** [HKS11, MV14]. **Study** [BCCHV14, BV16, DL11, GO12, SS13a].
- Subdiffusion** [nZzSwW11]. **Subdivision** [MM10, Moo16]. **Subdomain** [LTX13].
- Subdomains** [DW13, GKR13]. **Subgrid** [BCGS10]. **Submanifolds** [FW12b]. **Subset** [IKP11]. **Subsonic** [BdL10].
- Subsonic-Well-Balanced** [BdL10].
- Subspace** [DKS11, GG13, HS15, MN11].
- Substructuring** [DW12]. **Successive** [CC14, CCCS16]. **Suitable** [BC12a, Mor16].
- Sums** [ADGP14, ADGP16].
- Superconductivity** [GLS14].
- Superconvergence** [CZZ14, CSYZ15, CS10, Ku11a, MSZW13, MM13b, WCH10, YS13, Zha13b].
- Superconvergent** [CQS12]. **Superlinear** [HS15]. **Superpolynomial** [WMI10].
- SUPG** [HL10, JN11]. **Supply** [DMP13].
- Sure** [Mao15]. **Surface** [ANS15, DER14, DO12, DE13, KV10, LTT13, MW12].
- Surfaces** [ADM<sup>+</sup>15, BHH10, GR16, HLZ15, LNR11, MM13a, OR14, ORX14, RWJG13, WCH10].
- Sweat** [HLS13]. **Sweeping** [LQB14].
- Sylvester** [Bec11]. **Symmetric** [BEF10, Der12, GG11, GO12, HM14, Hu15, Wil14].
- Symmetry** [AL14, Kim11, QD11].
- Symplectic** [CH16, BHHN14]. **System** [AP16b, BG11, BMS14c, BMS14b, BCCHV14, Bré13, CFZ15, CGHW11, CGSW13, DFW15, FHM16, FR16, GO12, KCL13, LMM<sup>+</sup>13, MS12, PC16, SSS11].
- Systematic** [BK10]. **Systems** [ACG15, BR15a, BKT13, BBDR12, BDdSM13, BK10, BTDG13, BEF10, CMS16, CFMP13, Cim12, DP12, FMT12, GSS12, GMP15, GP16b, HKS11, HVC15, Hü10, LMV13, LZ12, LZ14, LW16, LCY13, MT11, MB16, MM14, Mur14, PM14, SVD14, TT10, ZM16].

- T** [Mor16]. **T-Splines** [Mor16]. **Tamed** [DKS16]. **Tau** [AHS14b, Rat16].  
**Tau-Leaping** [AHS14b]. **Taylor** [CELR11, LL11]. **Technique** [BP10, CG12b, GS11, GNPY14, GP16a, SDG16].  
**Techniques** [AKGR14, BCL13, CGL<sup>+</sup>10, DS10, HMP14].  
**Temperature** [KV10]. **Temporal** [Liu13b, PF13]. **Tension** [ANS15]. **Tensor** [BKT13, Git13, LS15, LOV15, RU13]. **Term** [BCGS10, CCKW15, FJK13]. **Terms** [D'A12, Jin15, Luc11, Ver12]. **Test** [HP14].  
**Tetrahedral** [Wal14a]. **Textile** [HLS13]. **th** [Sch16]. **th-Laplace** [Sch16]. **their** [WYZ14]. **Theorem** [HNSV13, SMSF15, TZ13b]. **Theoretic** [BBE11, BES12, GS14]. **Theory** [CF12, LL15, LB13, LB16, LWW<sup>+</sup>15, Mac10, Ney13, NV14]. **Thermally** [ZZLB13].  
**Thermistor** [LGS14]. **Thick** [BCL13].  
**Thickness** [DGHP16]. **Thin** [DGHP16, Lee13, NV14, SWWW12]. **Third** [Kol14, ZS10a]. **Thomas** [BMS14c, BMS14b, CGS13c, Oh13]. **Three** [BCM10, BRSV11, CHWG15, CLL10, D'A12, Gar15, GMM12, HT16, KM12a, Mor16, TL15]. **Three-Dimensional** [BCM10, CHWG15, KM12a, Mor16, TL15, D'A12]. **Three-Phase** [HT16]. **Threshold** [GWW12]. **Thresholding** [Fou11]. **Time** [AVZ15, AP16a, And13, BCZ14, BCJT16, BdSS13, BKN13, Bré13, CHWG15, CMS16, CHP13, Car13, CC13, CCM10, CZ10c, CLL10, CGSW13, CW13, CW16, CK14, CHL12, FW14, GLS14, GTW<sup>+</sup>12, GS11, HJS13, HMP15, HN11, HJKR16, Hül10, JN15, KW16, KM12c, LTT13, LMM16, LLS13, LTX13, LAFS16, Liu13b, LOV15, MST10, MZ16, Mur14, MAF14, NOS16, SMSF15, SZ13, Tak15, Tha13, Wal10, Wal14b, WW10a, WSZ15, ZW11, CF12, DHP13, HJJ<sup>+</sup>13, LC15, MPPS10, OR14, ORX14, BB12]. **Time-Averaging** [MST10].  
**Time-Dependent** [GLS14, KW16, LLS13, Tak15, WW10a].  
**Time-Discrete** [BKN13].  
**Time-Discretization** [Bré13].  
**Time-Domain** [CHWG15, CLL10, CW13].  
**Time-Explicit** [CMS16]. **Time-Fractional** [LMM16, MAF14]. **Time-Harmonic** [CZ10c, FW14]. **Time-Implicit** [CCM10].  
**Time-Marching** [WSZ15]. **Time-Periodic** [HMP15]. **Time-Splitting** [CHP13, Car13, Tha13]. **Time-Stepping** [CC13, CK14, GS11, SMSF15].  
**Timestepping** [LMV13]. **Tomography** [Han11]. **Topological** [BMO11]. **Topology** [CGR12]. **Total** [Bar12, BNS14, ZS10b, ZCY12].  
**Total-Variation-Based** [ZCY12]. **Trace** [SV14]. **Tracking** [CC13, GL11, GL12, ZF16]. **Traction** [BK12]. **Traction-Free** [BK12]. **Train** [BCS13, RU13]. **Trains** [LOV15].  
**Trajectory** [FJK13]. **Transfer** [CGJ13, CX13]. **Transform** [AR14, DKP10, KM12b, LR15, LR16, LLS13, Tow15, Yin09, GS14]. **Transformations** [BO16]. **Transformed** [PC16]. **Transforms** [Che11b, HM14]. **Transient** [WW10b, dFGAN10]. **Transmission** [AKGR14, KZ15, MNQ13, Sun11, XQ10].  
**Transparent** [WBL<sup>+</sup>15]. **Transport** [AW10b, BBK15, BRK14, BFK16, CDGQ10, DHSW13, GK10, HLS13, JLQX14, KFJ16, LR13, Mac10]. **Transpose** [CCCS16]. **Tree** [DS10]. **Triangle** [BO15, Xu11]. **Triangles** [AC12, Bar13]. **Triangular** [BCL16, CFH13, MJRK11, WL16, ZLY16].  
**Triangulations** [AC12, RL13].  
**Trigonometric** [CLS13, Gau15, Käm13, MS14]. **Trotter** [AVZ15]. **Truncated** [LR15, LR16]. **Tu** [Lee13, Lee15]. **Turán** [Spa14]. **TVD** [LAFS16]. **Two** [AC10, ACSW10, AT16, CHWG15, CSYZ15, CET<sup>+</sup>16, CZ10c, CLJ<sup>+</sup>16, CW16, CKW13, DW12, DK14, FO11, Gar15, GF12, Gos14,

GTW<sup>+</sup>12, Grü13, GB10, Han13, HMP14, KGM11, KS13, KFJ16, LTT13, LR13, LC15, LSZ11, OZ13, RG16, RL15, SS13a, SK13, SV14, SDKS13, SY12, SY15, YB11, ZLL<sup>+</sup>14, nZzSZ12, ZSZ15, ZHZ<sup>+</sup>14]. **Two-Dimensional** [CSYZ15, CW16, DW12, Gos14, OZ13, SDKS13, ZLL<sup>+</sup>14, nZzSZ12, CLJ<sup>+</sup>16, GTW<sup>+</sup>12, KFJ16]. **Two-Grid** [RL15, YB11, ZHZ<sup>+</sup>14]. **Two-Layered** [CZ10c]. **Two-Level** [CKW13, Han13, HMP14, LC15]. **Two-Phase** [AT16, Grü13, KS13, LR13, SS13a, SY15]. **Two-Scale** [LSZ11]. **Two-Sided** [SV14]. **Two-Sphere** [ACSW10]. **Two-Stage** [CET<sup>+</sup>16]. **Two-Step** [AC10, SK13, ZSZ15, KGM11]. **Type** [ADGP16, AGK<sup>+</sup>11, BJK16b, BGgyS12, BHx10, Bur12, EO14b, Gud12, Jin11, Kas13, MBMS11, Pot16, SMSF15, SWWW12, TL15, Xia12, YB13, nZzSwW11, LX14b, BG14a]. **Ulam** [JML13]. **Ultra** [HP14]. **Ultra-weak** [HP14]. **Ultraconvergence** [mHLZ16]. **Ultrasound** [AKK<sup>+</sup>11]. **Ultraspherical** [CI12]. **Unbounded** [CX13, Rat16, mXqW10, YZ14]. **Uncertainty** [CRR16, DS11]. **Unconditional** [LS13a]. **Unconditionally** [GRT14, LGS14]. **Unconstrained** [LXY13]. **Uncoupling** [LTT13]. **Undercompressive** [CER14]. **Unfitted** [DER14, Mas13]. **Uniaxial** [CZ10c, CW13]. **Unified** [BTDG13, CY10, DD12, EV15, GL15]. **Uniform** [BC12b, BC14, Bea15, HN11, PC16, WW10a]. **Uniformly** [BCZ14, BCJT16, GMR15, HK16]. **Unilateral** [CH13]. **Unit** [FHN<sup>+</sup>13, LX14a]. **Unity** [AKT14, PGvD12]. **Unknown** [DH15a]. **Unsplit** [Zha13a]. **Unsteady** [DEV13, YDG10]. **Unstructured** [CFH13, WW10b, ZX14]. **upon** [BIT13]. **Upstream** [PV16]. **Upwind** [BRK14, GK10]. **Upwind-Mixed** [BRK14]. **Upwinding** [HT16]. **Using** [ACSW12, ACSW14, Bea15, CGT15, CC14, CCCS16, CBHW13, DER14, Erv13, GMR15, JML13, KL13, LLS16, LR14, Luc11, Mir14, MT11, Seg10, Sel10, Tow15, VH14, HVC15]. **Valid** [CZZ15]. **Validations** [LA11b]. **Value** [BGgyS12, CX10, FW13b, KCDQ15, LM11a, Mas15a, Mas15b, NZ12, WYZ14, Wan15, ZZK15]. **Valued** [HVC15]. **Values** [AKT14, BO11, Han13, KLW16]. **Vanishing** [BMR12]. **Variable** [AR14, CGOT16, CLJ<sup>+</sup>16, CDGQ10, DAA13, GS11, HKLN16, HYZ16, PH16, WY13]. **Variable-Coefficient** [WY13]. **Variate** [GL10]. **Variation** [Bar12, BNS14, BO16, ZS10b, ZCY12]. **Variational** [BRO10, BOS10, CGR12, DH15a, GU14, HSW13, JL10, KSW14, MO14, MPPS10, OP12, TD15, WHIC10, ZZLB13]. **Varying** [GKR13, Liu13b, SVZ12]. **Vector** [HLZ15, Oh13, PW12]. **Vectorial** [DLT13]. **Velocity** [CC13, CDGQ10, LOR11, RT16, CKP11]. **Velocity-Vorticity-Helicity** [LOR11]. **Ventcell** [HH14]. **Verified** [LZ14, LO13a, WNPN14]. **Version** [BCD<sup>+</sup>11, Gos14, GB10, HMP11, MRL14, MBMS11, YG15, ZW13]. **Versus** [ZTRK15]. **Vertex** [EP16]. **Vertex-Centered** [EP16]. **via** [AKK14, BRD15, GL13, GH12, LM11a, MST10, NP16, Yin09, ZF16, ZB15]. **Virtual** [ABMV14, ABSV16, BBM13]. **Viscosity** [CGOT16, FO11]. **Viscous** [BCM10, Ing11]. **Vlasov** [CDM13, CGLM14, EO14a, EO14b, FR16, JW13, PC16]. **Vlasov-Type** [EO14b]. **Vogelius** [CELR11]. **Volterra** [HN11, Li10, LTX13, LL15, SWG14, YB13, YG15, ZLB16]. **Volume** [ACCE10, AW10b, BCCHV14, CMS16, CZZ15, CK16, Che10, Cla13, CM10, CY10, DO12, DEM15, Era12, Era13, EP16, GG10a, HH14, KM12a, KST15],

Kwa12, LMO12, LNR11, LYZ15, LL13, Nor15, Nor16, SS13a, VH14, WL16, Zha13a]. **Volume-of-Fluid** [Zha13a]. **Voronoi** [GG10a]. **Vorticity** [LOR11]. **Vries** [DKR15, FS14]. **vs** [Che11a].

**Wachspress** [FGS14]. **Wagner** [BJK16b]. **Water** [BdL10, LTT13]. **Wave** [AP16a, AW10a, ACLW16, AH15, BCE14, BC12b, BC14, BTG12, CC14, CLX13, CLS13, DW15, DK14, FW14, Gau15, HMP11, KW14a, KLS10, KP12, MM13b, Wal14b, XS12, nZzSZ12, ZW13]. **Waveform** [AKGR14, HJS13]. **Waveguides** [KZ15]. **Wavelet** [CS11]. **Wavelets** [Bac13]. **Wavenumber** [LM11b, MS11]. **Wavenumber-Explicit** [LM11b]. **Waves** [CER14, Col10, DK14, MZ13]. **Weak** [AP16b, AL14, BK12, Bur12, Cha12, CLP12, DS11, DF12, Kim11, HP14]. **Weakly** [AF16, QD11]. **Weighted** [BET11, CQR13b, CGS15, D'A12, PWZ13, SY12]. **Weighting** [EG13]. **Well** [ACSW10, BdL10, BCL13, ELM15, KCDQ15, LA11a]. **Well-Balanced** [BCL13]. **Well-Controlled** [ELM15]. **Well-Posed** [LA11a]. **Well-Posedness** [KCDQ15]. **Wellposedness** [WY13]. **WENO** [ABBM11, Kol14]. **Which** [Sau10]. **White** [ZTRK15]. **Wiener** [ZTRK15]. **Willmore** [BGN16]. **Winther** [GMM12]. **without** [BNS14, DH15a, FJK13, KLP10, Wal14a]. **WKB** [AAN11]. **WKB-Based** [AAN11]. **Works** [KH14]. **Worst** [Dic11]. **Worst-Case** [Dic11].

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